

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-16535

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Monument Butte 488

8. Lease Name and Well No.

Mon. Butte Federal K-35-8-16

9. API Well No.

43-013-33 253

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 35, T8S R16E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface SE/NE 1885' FNL 671' FEL

At proposed prod. zone 2629' FNL 0' FEL

14. Distance in miles and direction from nearest town or post office\*

Approximately 13.8 miles southwest of Myton, Utah

15. Distance from proposed\* location to nearest property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 0' W/le, 2640' W/unit

16. No. of Acres in lease

920.00

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.

Approx. 1405'

19. Proposed Depth

6501'

20. BLM/BIA Bond No. on file

UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5484' GL

22. Approximate date work will start\*

4th Quarter 2006

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Mandie Crozier

Name (Printed/Typed)

Mandie Crozier

Date

7/18/06

Title

Regulatory Specialist

Approved by Signature

Bradley G. Hill

Name (Printed/Typed)

BRADLEY G. HILL

Date

10-10-06

Title

Officer ENVIRONMENTAL MANAGER

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

JUL 25 2006

DIV. OF OIL, GAS & MINING

Federal Approval of this  
Action is Necessary

578543 X

4436438Y

40.076442

110.078864

BLU 577136 X

4436195Y

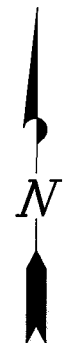
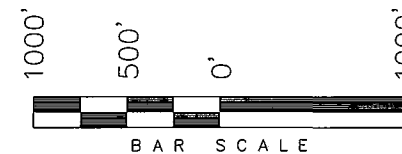
40.074385

-110.095384

# T8S, R16E, S.L.B.&M.

## NEWFIELD PRODUCTION COMPANY

WELL LOCATION, MONUMENT BUTTE K-35-8-16, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 35, T8S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



### Note:

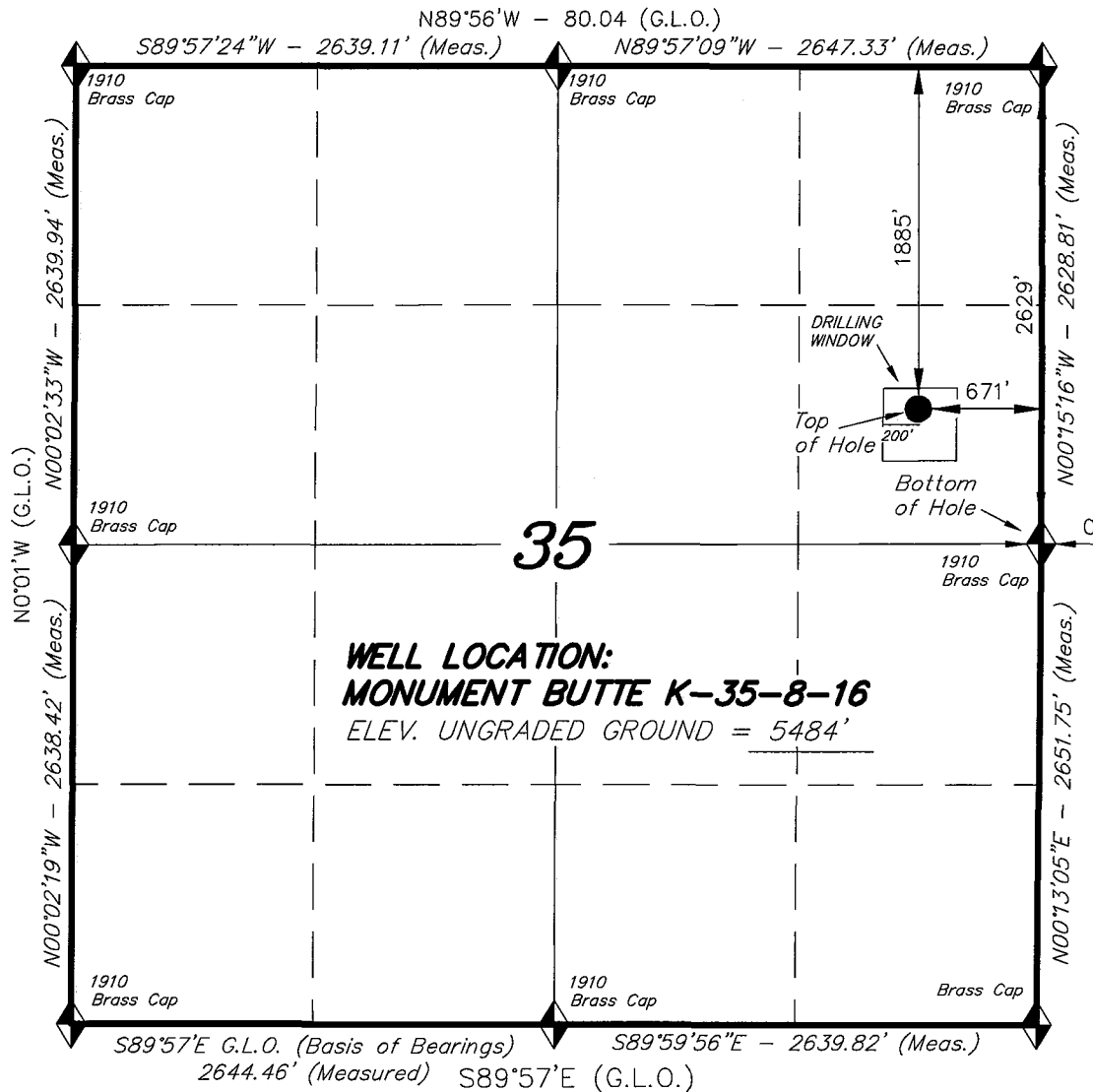
1. The bottom of hole bears S42°10'43"E 1005.00' from the well head.
2. Bottom hole footages are 2629' FNL & 0' FEL.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. No. 189377

STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 5-16-06	SURVEYED BY: C.M.
DATE DRAWN: 5-17-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**MONUMENT BUTTE K-35-8-16**  
(Surface Location) NAD 83  
LATITUDE = 40° 04' 35.24"  
LONGITUDE = 110° 04' 46.57"

**DIRECTIONAL DRILLING R649-3-11 WELL EXHIBIT  
MONUMENT BUTTE UNIT UT080P49-8861680  
DUCHESNE COUNTY, UTAH**

Monument Butte State N-36-8-16

State of Utah Lease # ML-22061 (surface & bottomhole)  
2064' FSL, 639' FWL (at surface)  
2654' FSL, 1313' FWL (bottomhole)  
Section 36-T8S-R16E

Monument Butte State H-2-9-16

State of Utah Lease # ML-21839 (surface & bottomhole)  
1835' FNL, 1968' FWL (at surface)  
1322' FNL, 2638' FWL (bottomhole)  
Section 2-T9S-R16E

Monument Butte Federal K-35-8-16

BLM Lease # U-16535 (surface & bottomhole)  
1885' FNL, 671' FEL (at surface)  
2629' FNL, 0' FEL (bottomhole)  
Section 35-T8S-R16E

Monument Butte Federal L-35-8-16

BLM Lease # U-16535 (surface & bottomhole)  
1828' FSL, 2125' FEL (at surface)  
2649' FSL, 1327' FEL (bottomhole)  
Section 35-T8S-R16E

Monument Butte Federal M-35-8-16

BLM Lease # U-16535 (surface & bottomhole)  
1810' FNL, 1978' FWL (at surface)  
2636' FNL, 2642' FWL (bottomhole)  
Section 35-T8S-R16E

**NEWFIELD PRODUCTION COMPANY  
MON. BUTTE FEDERAL #K-35-8-16  
AT SURFACE: SE/NE SECTION 35, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 3121'
Green River	3121'
Wasatch	6501'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 3121' – 6501' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
MON. BUTTE FEDERAL #K-35-8-16  
AT SURFACE: SE/NE SECTION 35, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Mon. Butte Federal #K-35-8-16 located in the SE 1/4 NE 1/4 Section 35, T8S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 9.1 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 3.1 miles  $\pm$  to the existing Mon. Fed. 8-35-8-16 well lcoation.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Mon. Fed. 8-35-8-16 well pad. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the Mon. Fed. 8-35-8-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Mon. Butte Federal K-35-8-16.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

The proposed Mon. Butte Federal K-35-8-16 will be drilled off of the existing Mon. Fed. 8-35-8-16 well pad. No additional surface disturbance will be required for this location.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None for the proposed Monument Butte Federal K-35-8-16.

**Reserve Pit Liner**

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Western Wheatgrass	<i>Pascopyrum Smithii</i>	6 lbs/acre
Galletta Grass	<i>Hilaria Jamesii</i>	6 lbs/acre

**Details of the On-Site Inspection**

The proposed Mon. Butte Federal #K-35-8-16 was on-sited on 5/25/06. The following were present; Shon Mckinnon (Newfeild Production), Chris Carusona (Bureau of Land Management), and Nate West (Bureau of Landmanagement). Weather conditions were clear and ground cover was 100% open.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Shon Mckinnon  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

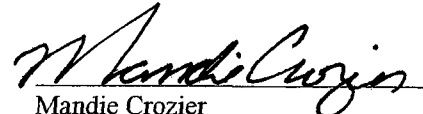
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #K-35-8-16 SE/NE Section 35, Township 8S, Range 16E: Lease UTU-16535 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by US Specialty Insurance #B001832.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

7/20/06

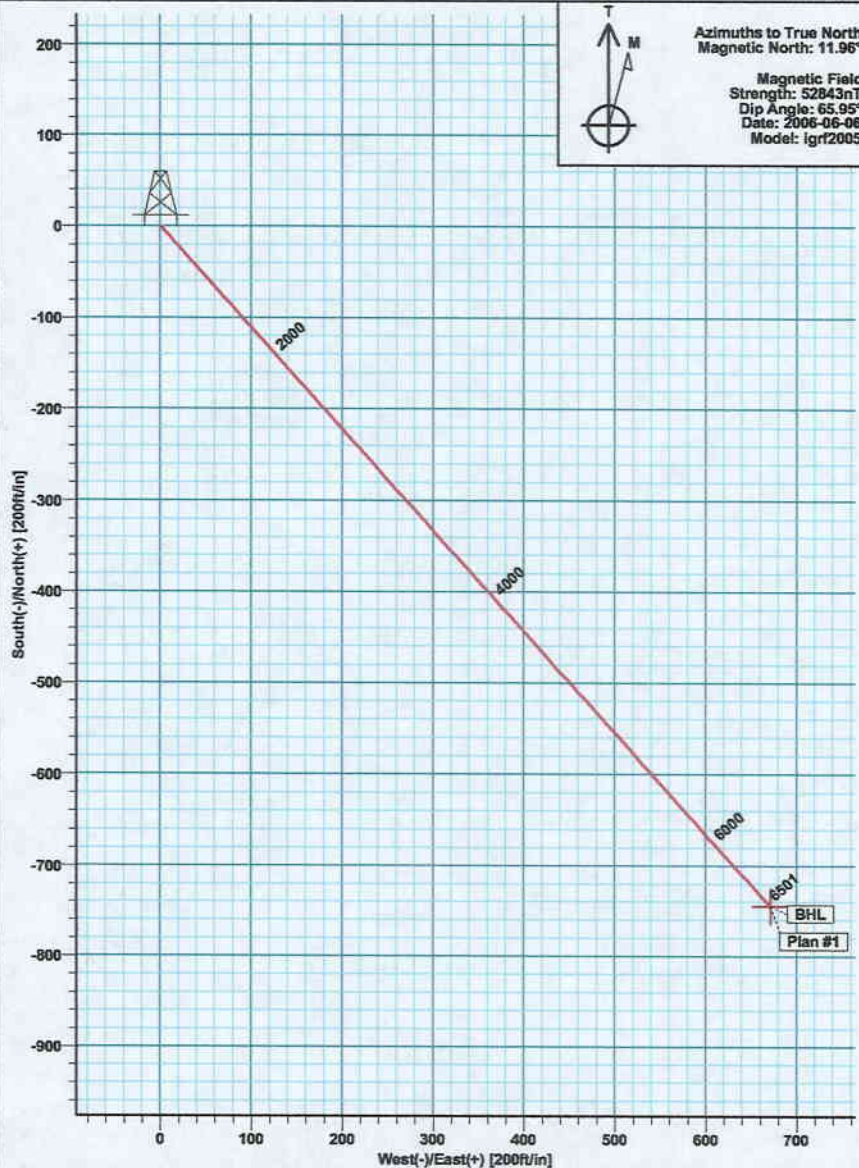
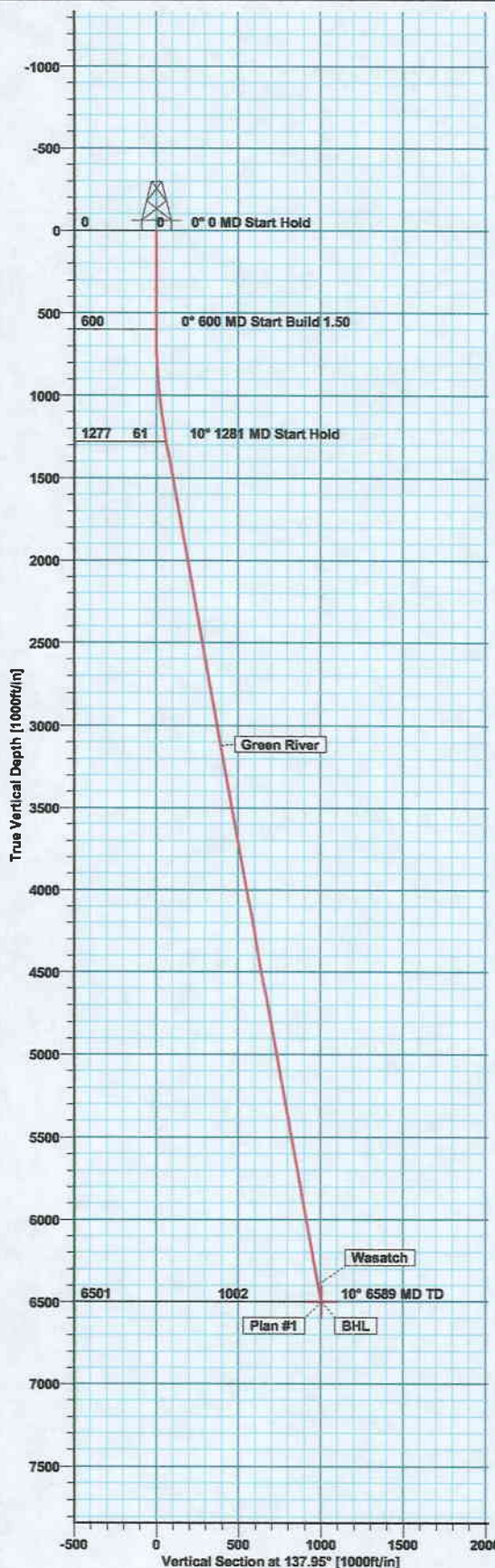
Date



Mandie Crozier

Regulatory Specialist

Newfield Production Company



Azimuths to True North  
Magnetic North: 11.96°

Magnetic Field  
Strength: 52843nT  
Dip Angle: 65.95°  
Date: 2006-06-06  
Model: Igr2005

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLog	TFace	VSec	Target
1	0.00	0.00	137.95	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	137.95	600.00	0.00	0.00	0.00	0.00	0.00	
3	1281.04	10.22	137.95	1277.44	-44.97	40.55	1.50	137.95	90.55	
4	6588.74	10.22	137.95	6501.00	-744.00	671.00	0.00	0.00	1001.00	BHL

#### WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
MB K-35-8-16	0.00	0.00	7199743.15	2037865.93	40°04'35.240N	110°04'46.570W	N/A

#### SITE DETAILS

Monument Butte K-35-8-16  
Sec. 35 T8S R16E  
Site Centre Latitude: 40°04'35.240N  
Longitude: 110°04'46.570W  
Ground Level: 5484.00  
Positional Uncertainty: 0.00  
Convergence: 0.91

Plan: Plan #1 (MB K-35-8-16/OH)

Created By: Julie Seaman Date: 2006-06-06

#### FIELD DETAILS

Duchesne County, UT  
Geodetic System: US State Plane Coordinate System 1983  
Ellipsoid: GRS 1980  
Zone: Utah, Central Zone  
Magnetic Model: Igr2005  
System Datum: Mean Sea Level  
Local North: True North





# Scientific Drilling International

## Planning Report

<b>Company:</b> Newfield Exploration Co. <b>Field:</b> Duchesne County, UT <b>Site:</b> Monument Butte K-35-8-16 <b>Well:</b> MB K-35-8-16 <b>Wellpath:</b> OH	<b>Date:</b> 2006-06-06 <b>Time:</b> 16:38:47 <b>Page:</b> 1 <b>Co-ordinate(NE) Reference:</b> Well: MB K-35-8-16, True North <b>Vertical (TVD) Reference:</b> GL 5484' & RKB 12' 5496.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,137.95Azi) <b>Plan:</b> Plan #1																																																																																								
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MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg																																																																															
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600.00	0.00	137.95	600.00	0.00	0.00	0.00	0.00	0.00	0.00	137.95																																																																															
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Date: 2006-06-06 Time: 16:38:47 Page: 2  
Co-ordinate(NE) Reference: Well: MB K-35-8-16, True North  
Vertical (TVD) Reference: GL 5484' & RKB 12' 5496.0  
Section (VS) Reference: Well (0.00N,0.00E,137.95Az)  
Plan: Plan #1

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1300.00	10.22	137.95	1296.10	-47.46	42.81	63.92	0.00	0.00	0.00	180.00
1400.00	10.22	137.95	1394.51	-60.63	54.68	81.65	0.00	0.00	0.00	180.00
1500.00	10.22	137.95	1492.93	-73.80	66.56	99.39	0.00	0.00	0.00	180.00
1600.00	10.22	137.95	1591.34	-86.97	78.44	117.12	0.00	0.00	0.00	180.00
1700.00	10.22	137.95	1689.76	-100.14	90.32	134.86	0.00	0.00	0.00	180.00
1800.00	10.22	137.95	1788.17	-113.31	102.20	152.59	0.00	0.00	0.00	180.00
1900.00	10.22	137.95	1886.59	-126.48	114.07	170.33	0.00	0.00	0.00	180.00
2000.00	10.22	137.95	1985.00	-139.65	125.95	188.06	0.00	0.00	0.00	180.00
2100.00	10.22	137.95	2083.41	-152.82	137.83	205.80	0.00	0.00	0.00	180.00
2200.00	10.22	137.95	2181.83	-165.99	149.71	223.53	0.00	0.00	0.00	180.00
2300.00	10.22	137.95	2280.24	-179.17	161.59	241.27	0.00	0.00	0.00	180.00
2400.00	10.22	137.95	2378.66	-192.34	173.46	259.00	0.00	0.00	0.00	180.00
2500.00	10.22	137.95	2477.07	-205.51	185.34	276.74	0.00	0.00	0.00	180.00
2600.00	10.22	137.95	2575.49	-218.68	197.22	294.47	0.00	0.00	0.00	180.00
2700.00	10.22	137.95	2673.90	-231.85	209.10	312.21	0.00	0.00	0.00	180.00
2800.00	10.22	137.95	2772.32	-245.02	220.98	329.94	0.00	0.00	0.00	180.00
2900.00	10.22	137.95	2870.73	-258.19	232.85	347.68	0.00	0.00	0.00	180.00
3000.00	10.22	137.95	2969.15	-271.36	244.73	365.41	0.00	0.00	0.00	180.00
3100.00	10.22	137.95	3067.56	-284.53	256.61	383.15	0.00	0.00	0.00	180.00
3154.30	10.22	137.95	3121.00	-291.68	263.06	392.78	0.00	0.00	0.00	180.00
3200.00	10.22	137.95	3165.98	-297.70	268.49	400.88	0.00	0.00	0.00	180.00
3300.00	10.22	137.95	3264.39	-310.87	280.37	418.62	0.00	0.00	0.00	180.00
3400.00	10.22	137.95	3362.81	-324.04	292.24	436.36	0.00	0.00	0.00	180.00
3500.00	10.22	137.95	3461.22	-337.21	304.12	454.09	0.00	0.00	0.00	180.00
3600.00	10.22	137.95	3559.64	-350.38	316.00	471.83	0.00	0.00	0.00	180.00
3700.00	10.22	137.95	3658.05	-363.55	327.88	489.56	0.00	0.00	0.00	180.00
3800.00	10.22	137.95	3756.47	-376.72	339.75	507.30	0.00	0.00	0.00	180.00
3900.00	10.22	137.95	3854.88	-389.89	351.63	525.03	0.00	0.00	0.00	180.00
4000.00	10.22	137.95	3953.29	-403.06	363.51	542.77	0.00	0.00	0.00	180.00
4100.00	10.22	137.95	4051.71	-416.23	375.39	560.50	0.00	0.00	0.00	180.00
4200.00	10.22	137.95	4150.12	-429.40	387.27	578.24	0.00	0.00	0.00	180.00
4300.00	10.22	137.95	4248.54	-442.57	399.14	595.97	0.00	0.00	0.00	180.00
4400.00	10.22	137.95	4346.95	-455.74	411.02	613.71	0.00	0.00	0.00	180.00
4500.00	10.22	137.95	4445.37	-468.91	422.90	631.44	0.00	0.00	0.00	180.00
4600.00	10.22	137.95	4543.78	-482.08	434.78	649.18	0.00	0.00	0.00	180.00
4700.00	10.22	137.95	4642.20	-495.25	446.66	666.91	0.00	0.00	0.00	180.00
4800.00	10.22	137.95	4740.61	-508.42	458.53	684.65	0.00	0.00	0.00	180.00
4900.00	10.22	137.95	4839.03	-521.59	470.41	702.38	0.00	0.00	0.00	180.00
5000.00	10.22	137.95	4937.44	-534.76	482.29	720.12	0.00	0.00	0.00	180.00
5100.00	10.22	137.95	5035.86	-547.93	494.17	737.85	0.00	0.00	0.00	180.00
5200.00	10.22	137.95	5134.27	-561.10	506.05	755.59	0.00	0.00	0.00	180.00
5300.00	10.22	137.95	5232.69	-574.27	517.92	773.32	0.00	0.00	0.00	180.00
5400.00	10.22	137.95	5331.10	-587.44	529.80	791.06	0.00	0.00	0.00	180.00
5500.00	10.22	137.95	5429.52	-600.61	541.68	808.80	0.00	0.00	0.00	180.00
5600.00	10.22	137.95	5527.93	-613.78	553.56	826.53	0.00	0.00	0.00	180.00
5700.00	10.22	137.95	5626.35	-626.95	565.44	844.27	0.00	0.00	0.00	180.00
5800.00	10.22	137.95	5724.76	-640.12	577.31	862.00	0.00	0.00	0.00	180.00
5900.00	10.22	137.95	5823.17	-653.29	589.19	879.74	0.00	0.00	0.00	180.00
6000.00	10.22	137.95	5921.59	-666.46	601.07	897.47	0.00	0.00	0.00	180.00
6100.00	10.22	137.95	6020.00	-679.63	612.95	915.21	0.00	0.00	0.00	180.00
6200.00	10.22	137.95	6118.42	-692.80	624.83	932.94	0.00	0.00	0.00	180.00
6300.00	10.22	137.95	6216.83	-705.97	636.70	950.68	0.00	0.00	0.00	180.00
6400.00	10.22	137.95	6315.25	-719.14	648.58	968.41	0.00	0.00	0.00	180.00
6482.05	10.22	137.95	6396.00	-729.95	658.33	982.96	0.00	0.00	0.00	180.00
6500.00	10.22	137.95	6413.66	-732.31	660.46	986.15	0.00	0.00	0.00	180.00
6588.74	10.22	137.95	6501.00	-744.00	671.00	1001.89	0.00	0.00	0.00	180.00

[illegible]

# Scientific Drilling International

## Planning Report

**Company:** Newfield Exploration Co.  
**Field:** Duchesne County, UT  
**Site:** Monument Butte K-35-8-16  
**Well:** MB K-35-8-16  
**Wellpath:** OH

**Date:** 2006-06-06 **Time:** 16:38:47  
**Co-ordinate(NE) Reference:** Well: MB K-35-8-16, True North  
**Vertical (TVD) Reference:** GL 5484' & RKB 12' 5496.0  
**Section (VS) Reference:** Well (0.00N,0.00E,137.95Az)  
**Plan:** Plan #1

**Page:** 3

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
300.00	0.00	137.95	300.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
400.00	0.00	137.95	400.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
500.00	0.00	137.95	500.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
600.00	0.00	137.95	600.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
700.00	1.50	137.95	699.99	-0.97	0.88	1.31	1.50	1.50	0.00	MWD
800.00	3.00	137.95	799.91	-3.89	3.51	5.23	1.50	1.50	0.00	MWD
900.00	4.50	137.95	899.69	-8.74	7.89	11.77	1.50	1.50	0.00	MWD
1000.00	6.00	137.95	999.27	-15.54	14.01	20.92	1.50	1.50	0.00	MWD
1100.00	7.50	137.95	1098.57	-24.27	21.89	32.68	1.50	1.50	0.00	MWD
1200.00	9.00	137.95	1197.54	-34.92	31.50	47.03	1.50	1.50	0.00	MWD
1281.04	10.22	137.95	1277.44	-44.97	40.55	60.55	1.50	1.50	0.00	MWD
1300.00	10.22	137.95	1296.10	-47.46	42.81	63.92	0.00	0.00	0.00	MWD
1400.00	10.22	137.95	1394.51	-60.63	54.68	81.65	0.00	0.00	0.00	MWD
1500.00	10.22	137.95	1492.93	-73.80	66.56	99.39	0.00	0.00	0.00	MWD
1600.00	10.22	137.95	1591.34	-86.97	78.44	117.12	0.00	0.00	0.00	MWD
1700.00	10.22	137.95	1689.76	-100.14	90.32	134.86	0.00	0.00	0.00	MWD
1800.00	10.22	137.95	1788.17	-113.31	102.20	152.59	0.00	0.00	0.00	MWD
1900.00	10.22	137.95	1886.59	-126.48	114.07	170.33	0.00	0.00	0.00	MWD
2000.00	10.22	137.95	1985.00	-139.65	125.95	188.06	0.00	0.00	0.00	MWD
2100.00	10.22	137.95	2083.41	-152.82	137.83	205.80	0.00	0.00	0.00	MWD
2200.00	10.22	137.95	2181.83	-165.99	149.71	223.53	0.00	0.00	0.00	MWD
2300.00	10.22	137.95	2280.24	-179.17	161.59	241.27	0.00	0.00	0.00	MWD
2400.00	10.22	137.95	2378.66	-192.34	173.46	259.00	0.00	0.00	0.00	MWD
2500.00	10.22	137.95	2477.07	-205.51	185.34	276.74	0.00	0.00	0.00	MWD
2600.00	10.22	137.95	2575.49	-218.68	197.22	294.47	0.00	0.00	0.00	MWD
2700.00	10.22	137.95	2673.90	-231.85	209.10	312.21	0.00	0.00	0.00	MWD
2800.00	10.22	137.95	2772.32	-245.02	220.98	329.94	0.00	0.00	0.00	MWD
2900.00	10.22	137.95	2870.73	-258.19	232.85	347.68	0.00	0.00	0.00	MWD
3000.00	10.22	137.95	2969.15	-271.36	244.73	365.41	0.00	0.00	0.00	MWD
3100.00	10.22	137.95	3067.56	-284.53	256.61	383.15	0.00	0.00	0.00	MWD
3154.30	10.22	137.95	3121.00	-291.68	263.06	392.78	0.00	0.00	0.00	Green River
3200.00	10.22	137.95	3165.98	-297.70	268.49	400.88	0.00	0.00	0.00	MWD
3300.00	10.22	137.95	3264.39	-310.87	280.37	418.62	0.00	0.00	0.00	MWD
3400.00	10.22	137.95	3362.81	-324.04	292.24	436.36	0.00	0.00	0.00	MWD
3500.00	10.22	137.95	3461.22	-337.21	304.12	454.09	0.00	0.00	0.00	MWD
3600.00	10.22	137.95	3559.64	-350.38	316.00	471.83	0.00	0.00	0.00	MWD
3700.00	10.22	137.95	3658.05	-363.55	327.88	489.56	0.00	0.00	0.00	MWD
3800.00	10.22	137.95	3756.47	-376.72	339.75	507.30	0.00	0.00	0.00	MWD
3900.00	10.22	137.95	3854.88	-389.89	351.63	525.03	0.00	0.00	0.00	MWD
4000.00	10.22	137.95	3953.29	-403.06	363.51	542.77	0.00	0.00	0.00	MWD
4100.00	10.22	137.95	4051.71	-416.23	375.39	560.50	0.00	0.00	0.00	MWD
4200.00	10.22	137.95	4150.12	-429.40	387.27	578.24	0.00	0.00	0.00	MWD
4300.00	10.22	137.95	4248.54	-442.57	399.14	595.97	0.00	0.00	0.00	MWD
4400.00	10.22	137.95	4346.95	-455.74	411.02	613.71	0.00	0.00	0.00	MWD
4500.00	10.22	137.95	4445.37	-468.91	422.90	631.44	0.00	0.00	0.00	MWD
4600.00	10.22	137.95	4543.78	-482.08	434.78	649.18	0.00	0.00	0.00	MWD
4700.00	10.22	137.95	4642.20	-495.25	446.66	666.91	0.00	0.00	0.00	MWD
4800.00	10.22	137.95	4740.61	-508.42	458.53	684.65	0.00	0.00	0.00	MWD
4900.00	10.22	137.95	4839.03	-521.59	470.41	702.38	0.00	0.00	0.00	MWD
5000.00	10.22	137.95	4937.44	-534.76	482.29	720.12	0.00	0.00	0.00	MWD
5100.00	10.22	137.95	5035.86	-547.93	494.17	737.85	0.00	0.00	0.00	MWD
5200.00	10.22	137.95	5134.27	-561.10	506.05	755.59	0.00	0.00	0.00	MWD
5300.00	10.22	137.95	5232.69	-574.27	517.92	773.32	0.00	0.00	0.00	MWD

# Scientific Drilling International

## Planning Report

Company: Newfield Exploration Co.  
Field: Duchesne County, UT  
Site: Monument Butte K-35-8-16  
Well: MB K-35-8-16  
Wellpath: OH

Date: 2006-06-06 Time: 16:38:47  
Co-ordinate(NE) Reference: Well: MB K-35-8-16, True North  
Vertical (TVD) Reference: GL 5484' & RKB 12' 5496.0  
Section (VS) Reference: Well (0.00N,0.00E,137.95Azi)  
Plan: Plan #1

Page: 4

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5400.00	10.22	137.95	5331.10	-587.44	529.80	791.06	0.00	0.00	0.00	MWD
5500.00	10.22	137.95	5429.52	-600.61	541.68	808.80	0.00	0.00	0.00	MWD
5600.00	10.22	137.95	5527.93	-613.78	553.56	826.53	0.00	0.00	0.00	MWD
5700.00	10.22	137.95	5626.35	-626.95	565.44	844.27	0.00	0.00	0.00	MWD
5800.00	10.22	137.95	5724.76	-640.12	577.31	862.00	0.00	0.00	0.00	MWD
5900.00	10.22	137.95	5823.17	-653.29	589.19	879.74	0.00	0.00	0.00	MWD
6000.00	10.22	137.95	5921.59	-666.46	601.07	897.47	0.00	0.00	0.00	MWD
6100.00	10.22	137.95	6020.00	-679.63	612.95	915.21	0.00	0.00	0.00	MWD
6200.00	10.22	137.95	6118.42	-692.80	624.83	932.94	0.00	0.00	0.00	MWD
6300.00	10.22	137.95	6216.83	-705.97	636.70	950.68	0.00	0.00	0.00	MWD
6400.00	10.22	137.95	6315.25	-719.14	648.58	968.41	0.00	0.00	0.00	MWD
6482.05	10.22	137.95	6396.00	-729.95	658.33	982.96	0.00	0.00	0.00	Wasatch
6500.00	10.22	137.95	6413.66	-732.31	660.46	986.15	0.00	0.00	0.00	MWD
6588.74	10.22	137.95	6501.00	-744.00	671.00	1001.89	0.00	0.00	0.00	BHL

### Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec			← Longitude → Deg Min Sec		
BHL			6501.00	-744.00	671.00	7199009.90	2038548.66	40	4	27.887 N	110	4	37.938 W
-Plan hit target													

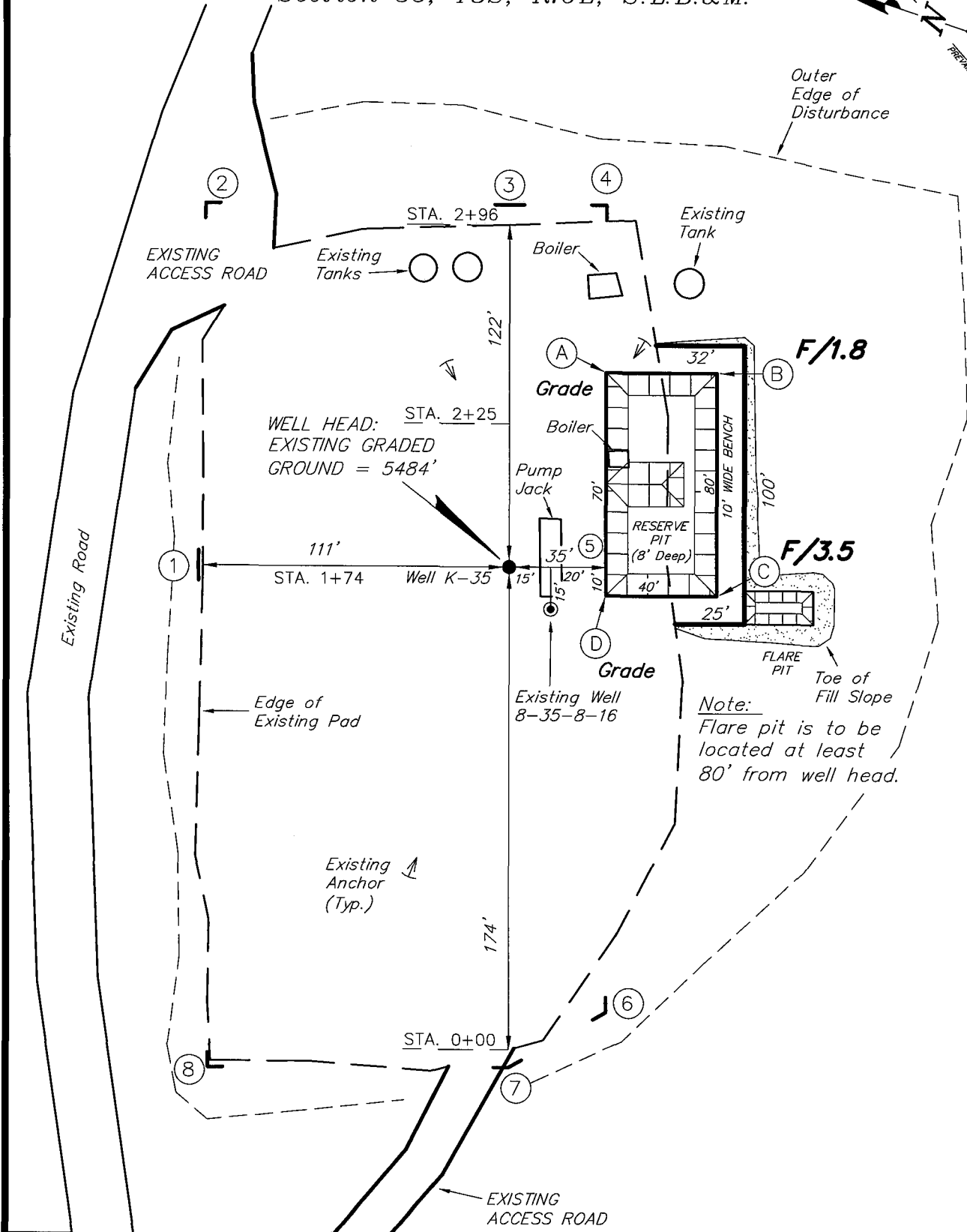
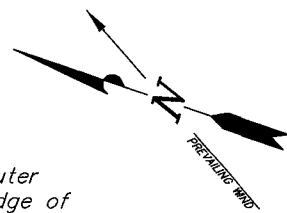
### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
3154.30	3121.00	Green River		0.00	0.00
6482.05	6396.00	Wasatch		0.00	0.00

# NEWFIELD PRODUCTION COMPANY

MONUMENT BUTTE 8-35-8-16 (K-35)

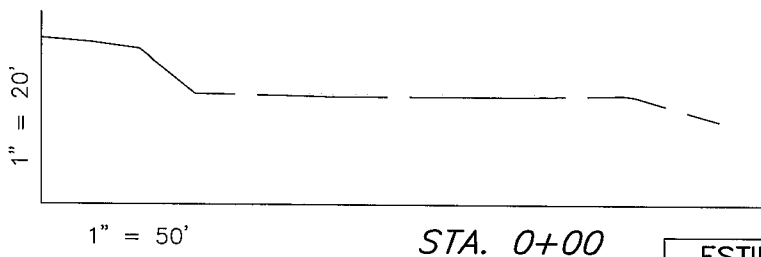
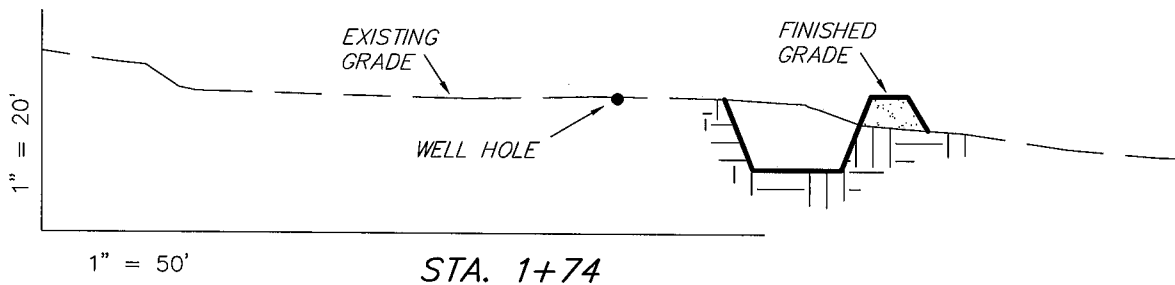
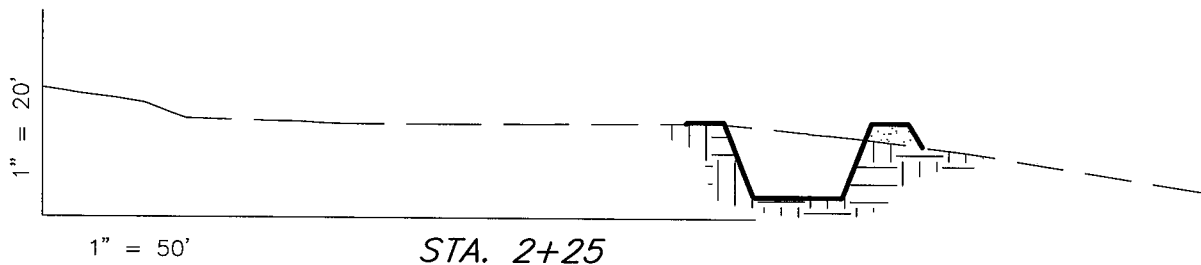
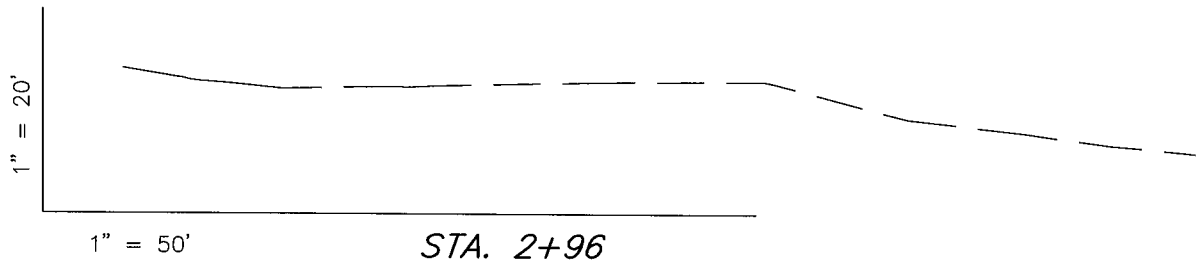
Section 35, T8S, R16E, S.L.B.&M.



SURVEYED BY: C.M.	SCALE: 1" = 50'	<b>Tri State</b> Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: F.T.M.	DATE: 05-17-06	

**NEWFIELD PRODUCTION COMPANY**  
**CROSS SECTIONS**

**MONUMENT BUTTE 8-35-8-16 (K-35)**



NOTE:  
 UNLESS OTHERWISE NOTED  
 ALL CUT/FILL SLOPES ARE  
 AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	-130	270	Topsoil is not included in Pad Cut	-400
PIT	640	0		640
TOTALS	510	270	N/A	240

SURVEYED BY: C.M.

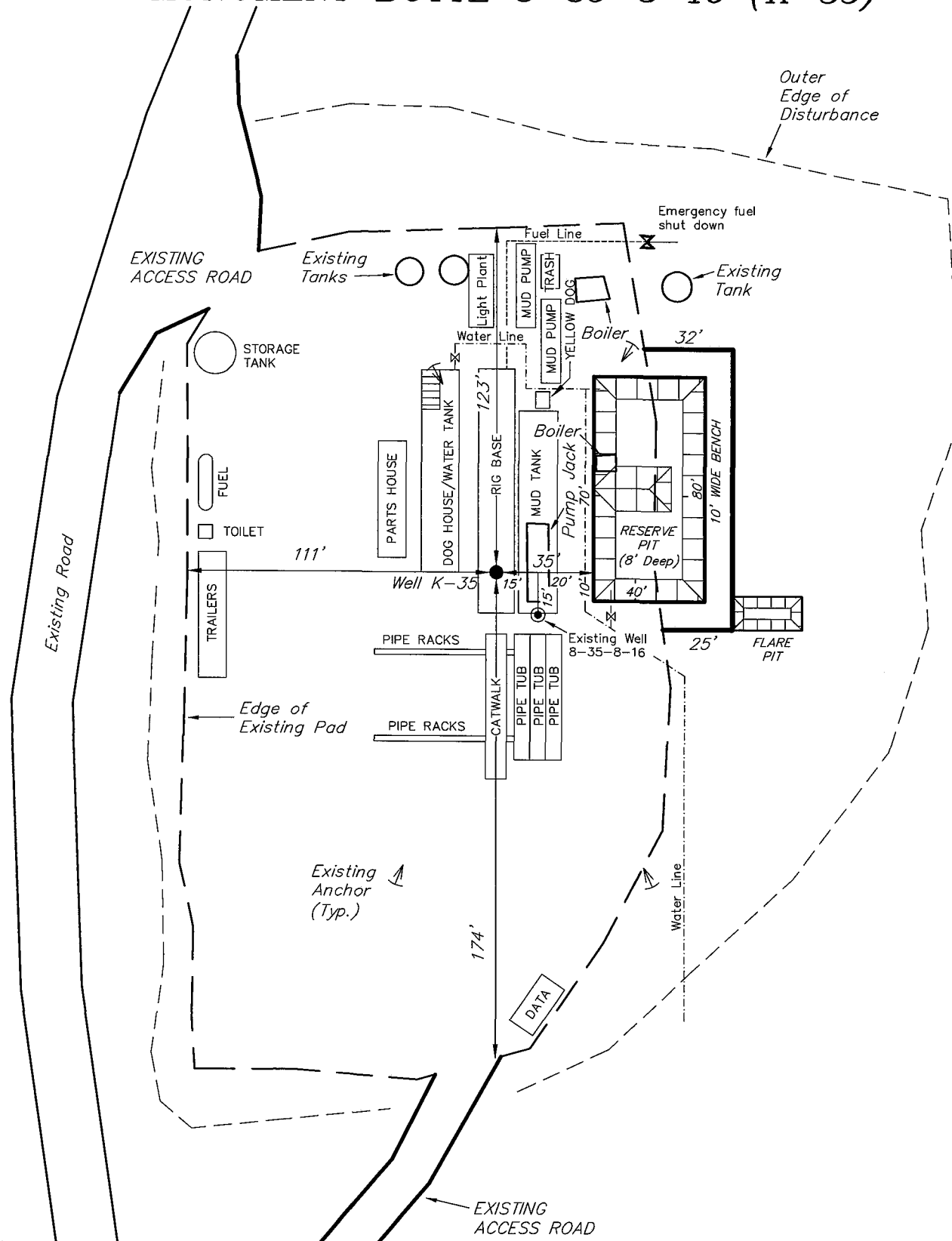
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 05-17-06

**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

*MONUMENT BUTTE 8-35-8-16 (K-35)*



SURVEYED BY: C.M.	SCALE: 1" = 50'
DRAWN BY: F.T.M.	DATE: 05-17-06

**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# Newfield Production Company Proposed Site Facility Diagram

Mon. Butte Federal K-35-8-16

From the 8-35-8-16 Location

SE/NE Sec. 25 T8S, 16E

Duchesne County, Utah

UTU-16535

Site Security Plan is held at the Pleasant Valley  
Office, Duchesne County Utah

## Production Phase:

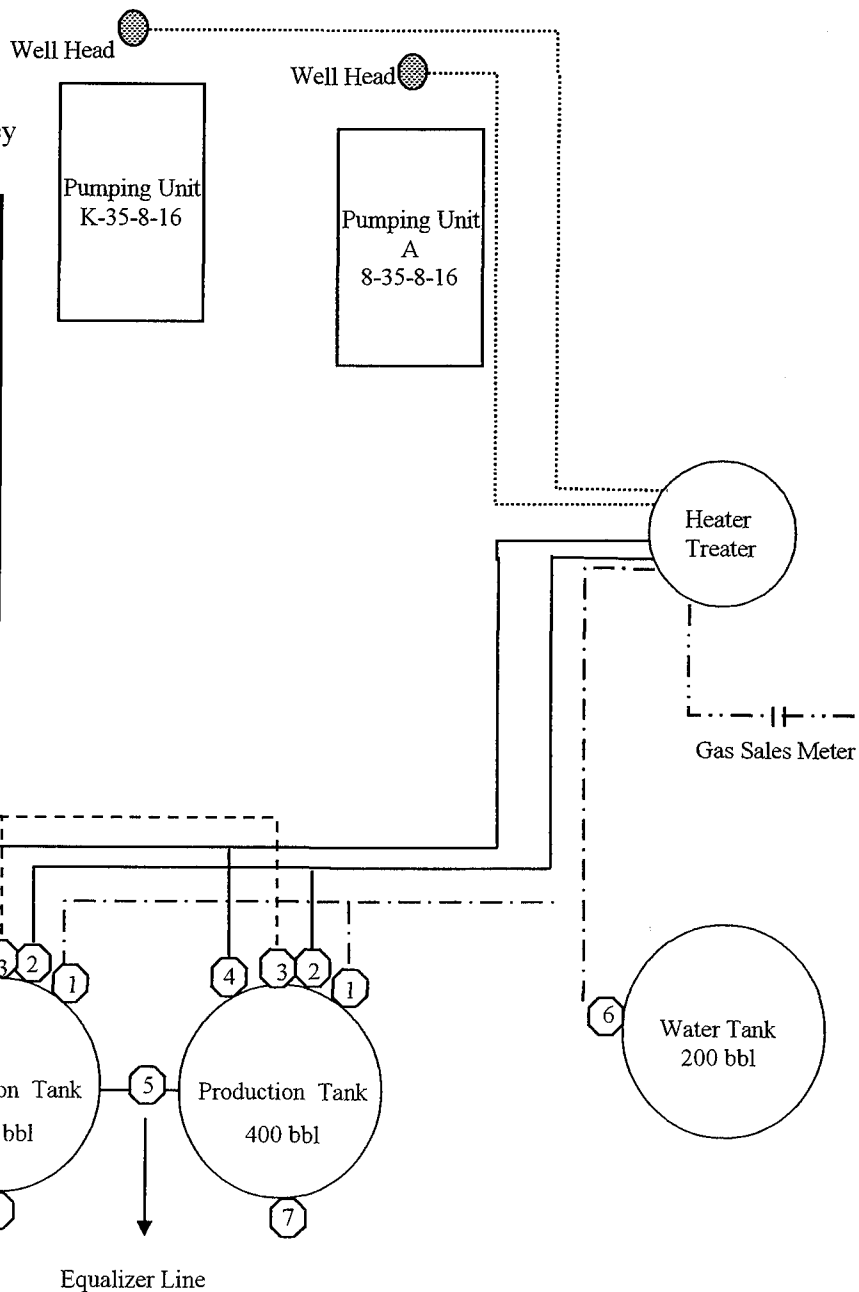
- 1) Valves 1, 3, 6, and 7 sealed closed
- 2) Valves 2, 4, and 5 sealed open

## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 7 sealed closed
- 2) Valves 3 and 6 open

## Draining Phase:

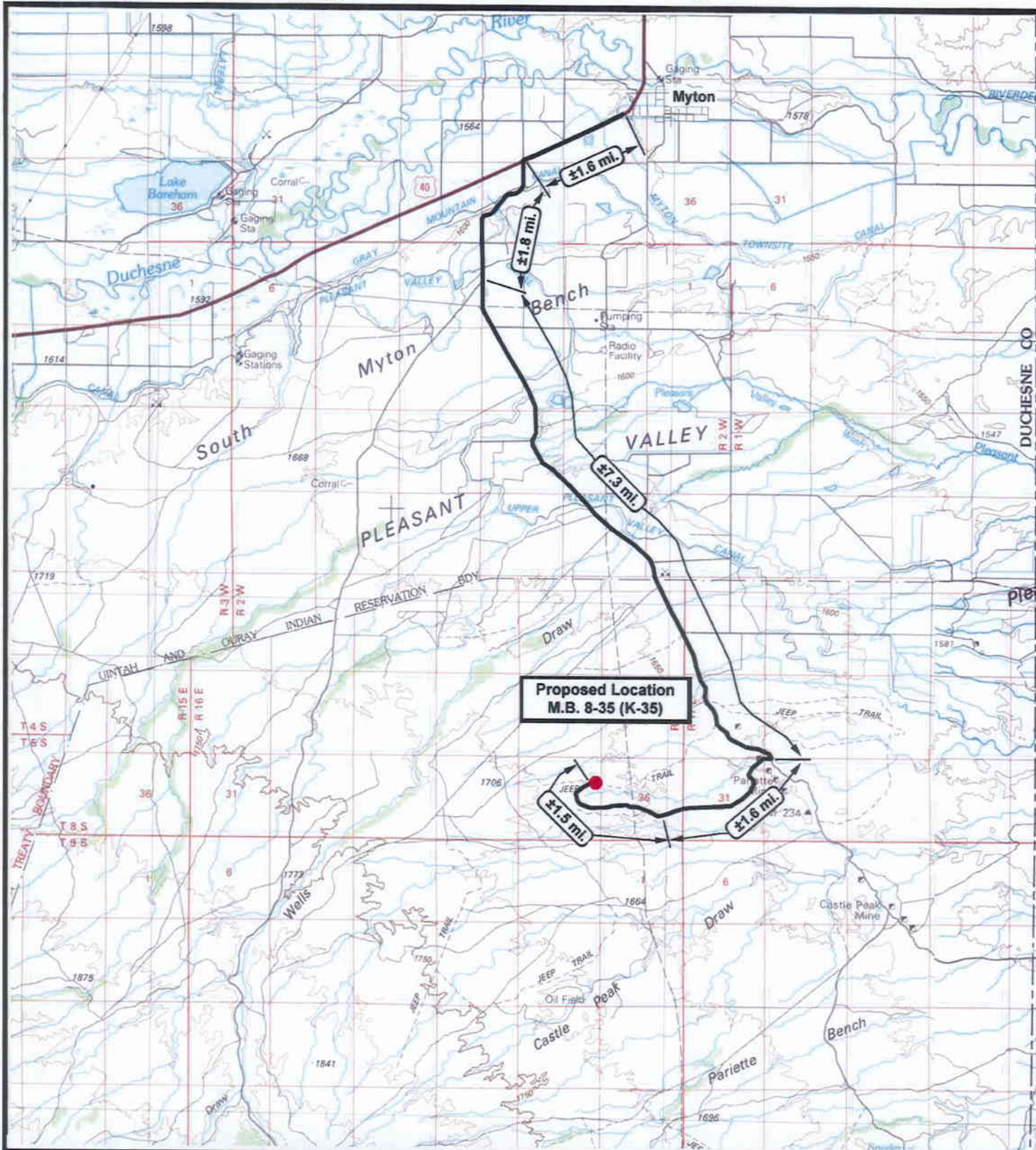
- 1) Valves 1 and 6 open



## Legend

Emulsion Line	.....
Load Line	-----
Water Line	- . - . - .
Oil Line	—————
Gas Sales	—————





**Proposed Location  
M.B. 8-35 (K-35)**



**NEWFIELD**  
Exploration Company

---

**Monument Butte 8-35-8-16 (K-35)**  
**SEC. 35, T8S, R16E, S.L.B.&M.**



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

---

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 05-18-2006

**Legend**

Existing Road

---

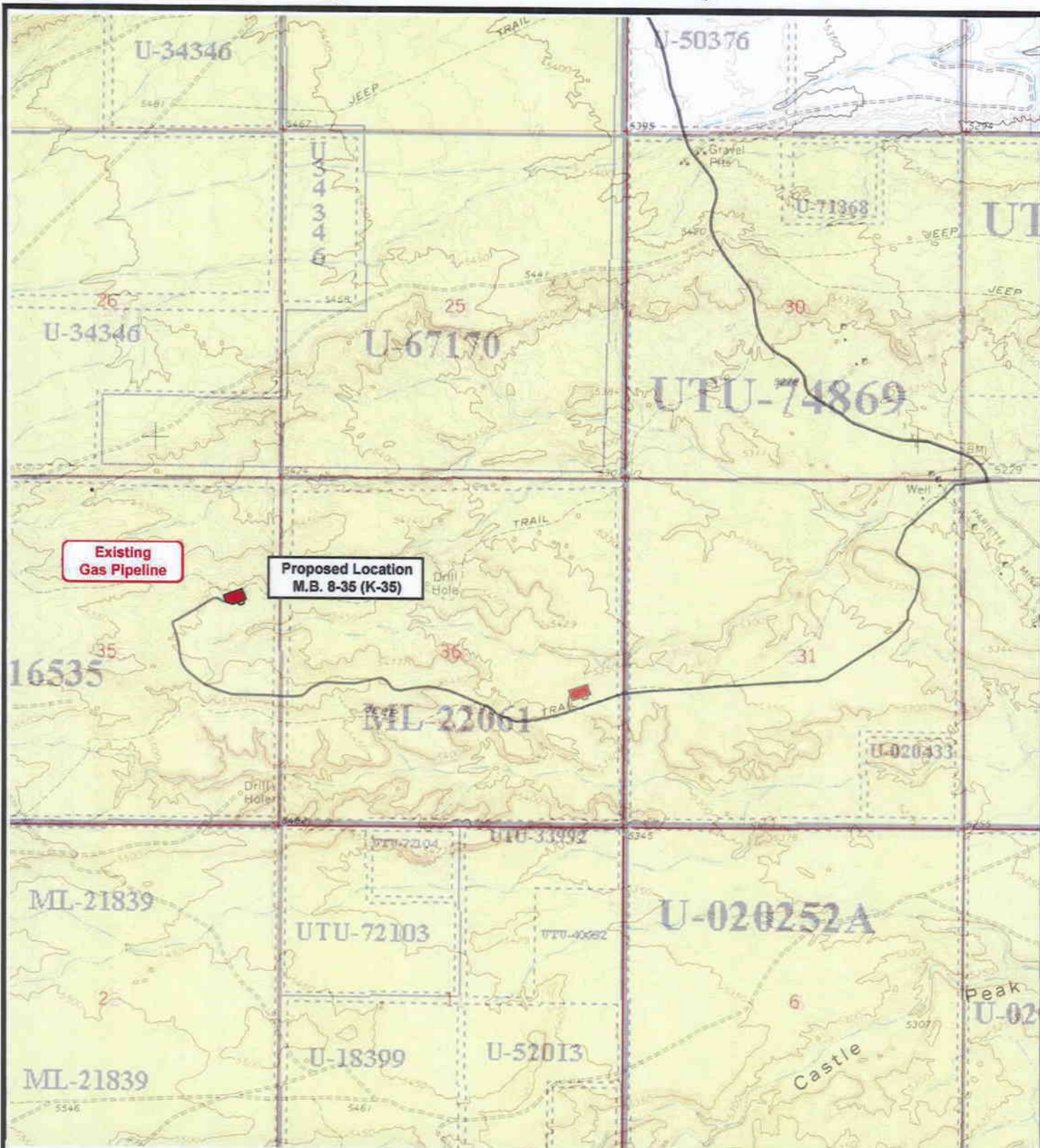
TOPOGRAPHIC MAP

**"A"**









**NEWFIELD**  
Exploration Company

**Monument Butte 8-35-8-16 (K-35)**  
**SEC. 35, T8S, R16E, S.L.B.&M.**



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 05-18-2006

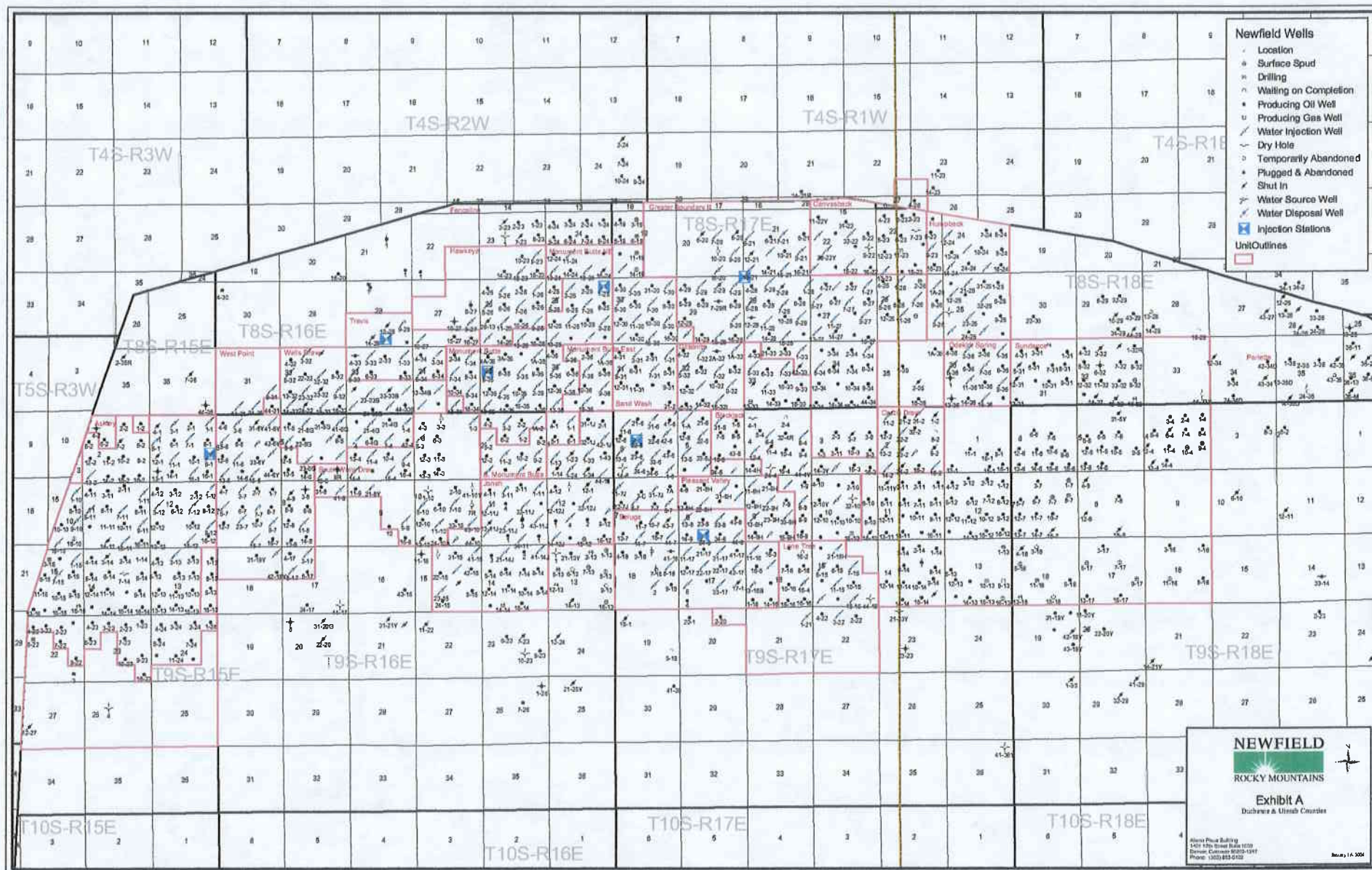
**Legend**

— Roads

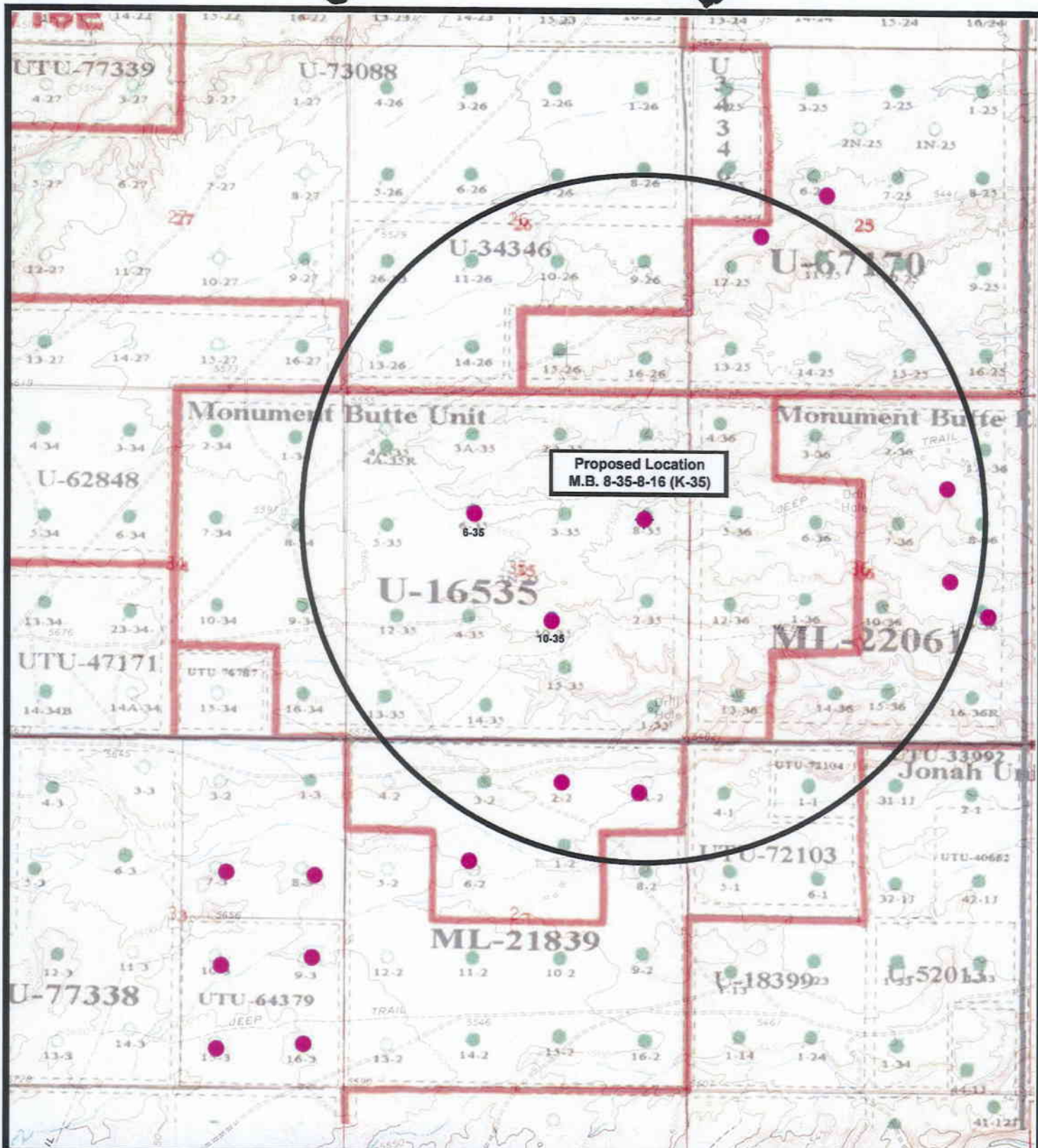
TOPOGRAPHIC MAP

**"C"**









**NEWFIELD**  
Exploration Company

**Monument Butte 8-35-8-16 (K-35)**  
**SEC. 35, T8S, R16E, S.L.B.&M.**



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

**SCALE:** 1" = 2,000'  
**DRAWN BY:** mw  
**DATE:** 05-18-2006

**Legend**

- Location
- One-Mile Radius

**Exhibit "B"**

## 2-M SYSTEM

Blowout Prevention Equipment Systems

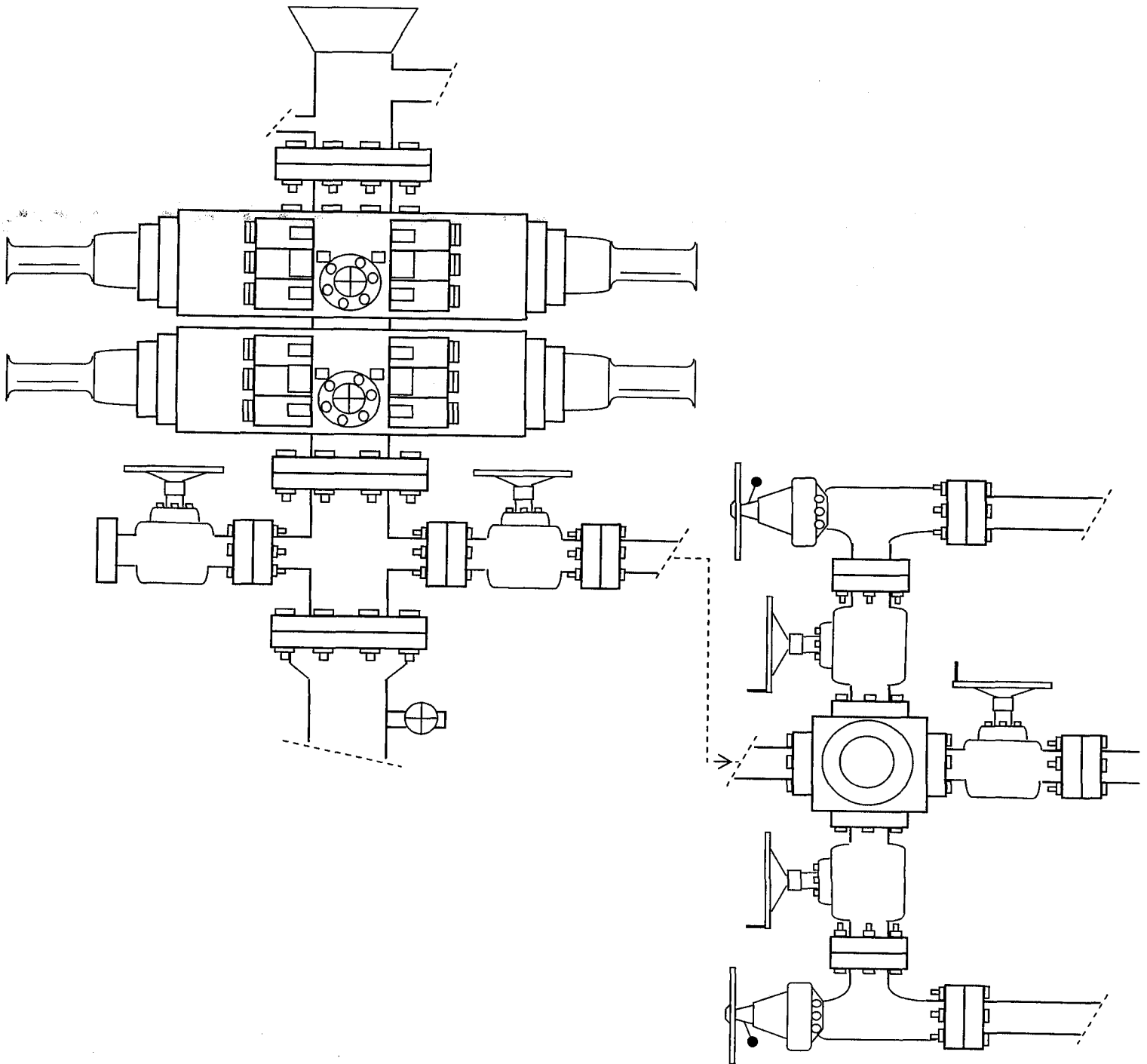


EXHIBIT C

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/25/2006

API NO. ASSIGNED: 43-013-33253

WELL NAME: MON BUTTE FED K-35-8-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

**PROPOSED LOCATION:**

SENE 35 080S 160E

SURFACE: 1885 FNL 0671 FEL

BOTTOM: 2629 FNL 0000 FEL

COUNTY: DUCHESNE

LATITUDE: 40.07644 LONGITUDE: -110.0789

UTM SURF EASTINGS: 578543 NORTHINGS: 4436438

FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /

**Tech Review**

**Initials**

**Date**

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-16535

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB000192 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit

(No. MUNICIPAL )

☒ RDCC Review (Y/N)

(Date: \_\_\_\_\_ )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

R649-2-3.

Unit: MONUMENT BUTTE EAST

R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 213-4(A)

Eff Date: 5-23-1997

Siting: Suspends General Siting

☒ R649-3-11. Directional Drill

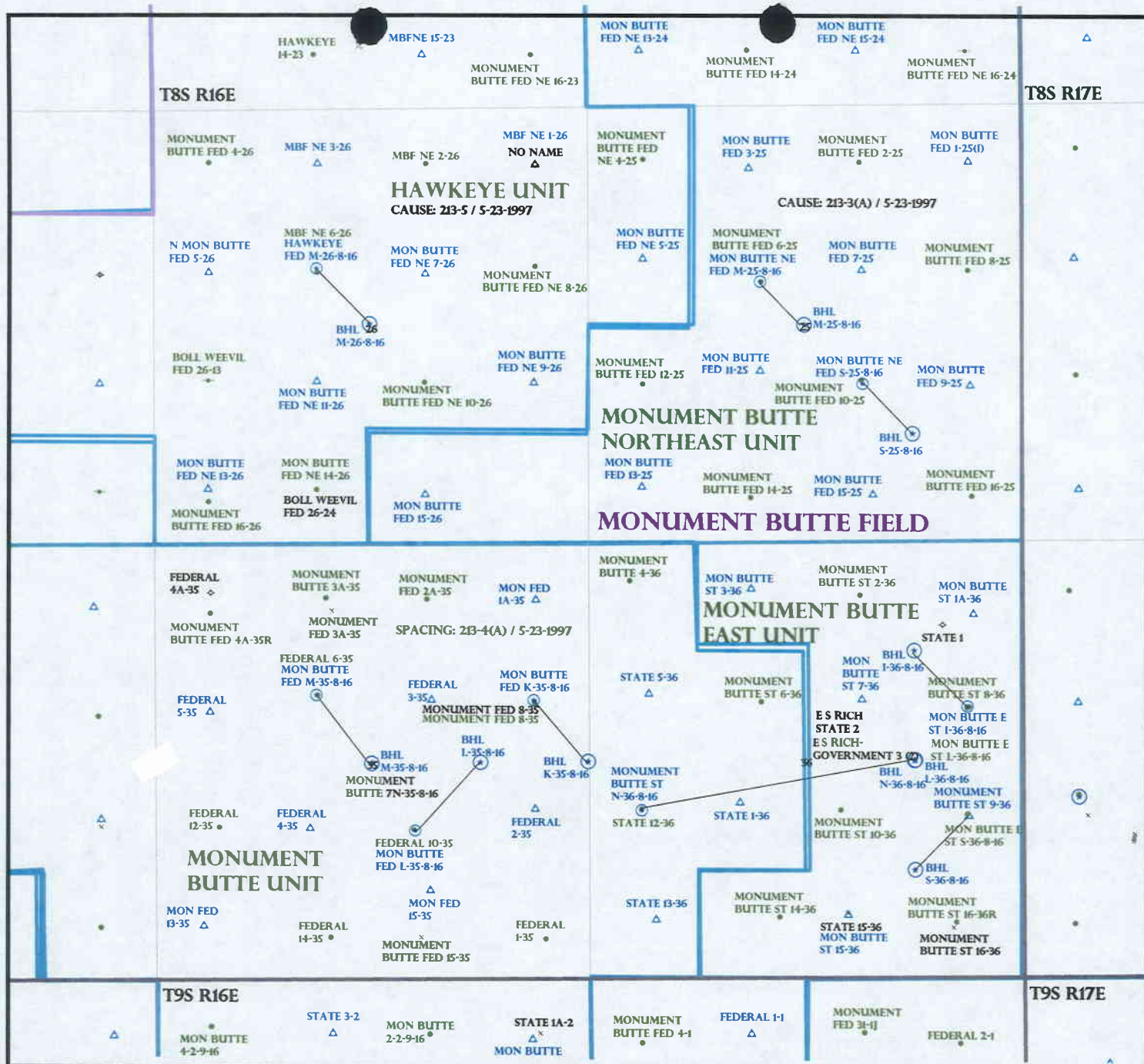
COMMENTS:

Supplement to File

STIPULATIONS:

1- Federal Approval





OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 35 T.8S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: 213-4(A) / 5-23-1997

**Field Status**

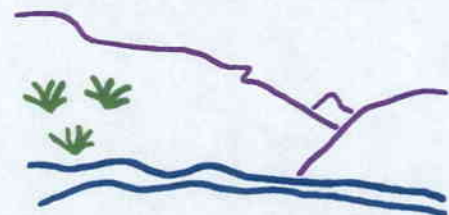
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 02-AUGUST-2006



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

August 3, 2006

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development Monument Butte Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Monument Butte Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33253	Mon Butte Fed K-35-8-16	Sec 35 T08S R16E 1885 FNL 0671 FEL BHL Sec 35 T08S R16E 2629 FNL 0000 FEL
43-013-33254	Mon Butte Fed L-35-8-16	Sec 35 T08S R16E 1828 FSL 2125 FEL BHL Sec 35 T08S R16E 2649 FSL 1327 FEL
43-013-33255	Mon Butte Fed M-35-8-16	Sec 35 T08S R16E 1810 FNL 1978 FWL BHL Sec 35 T08S R16E 2636 FNL 2642 FWL

These wells are part of a 20 acre infill program in the Greater Monument Butte Field. Telephone conversation with Kelly Donohue, Newfield, indicated that they will apply for exceptions to the locating and siting requirements of the State of Utah (R649-3-2) on a well by well basis. Newfield is currently scheduled to seek relief on a unit basis at the September meeting of the Board of Oil Gas and Mining.

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

# NEWFIELD



ROCKY MOUNTAINS

October 3, 2006

Ms. Diana Whitney  
State of Utah, Div. of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11  
Monument Butte Unit UT080P49-8861680  
Various Wells & Locations (See Attached)  
Duchesne County, Utah

Dear Ms. Whitney:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Applications for Permits to Drill (copies enclosed herewith) which concern the wells described on the attached Exhibit, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

All of these drillsite locations are located within the boundaries of the Monument Butte Unit UT080P49-8861680. NPC is permitting these wells as directional wells in order to minimize surface disturbance. By locating the wells at the surface locations described and directionally drilling from these locations, NPC will be able to utilize the existing the existing roads and pipelines in the area.

Furthermore, NPC hereby certifies that NPC is the Monument Butte Unit Operator and all lands within 460 feet of each of the entire directional well bores are within the Monument Butte Unit.

Therefore, based on the above stated information NPC requests that the permits be granted pursuant to R649-3-11. Thank you for your consideration in this matter.

Sincerely,

**Newfield Production Company**

Rhonda Deimer  
Land Associate

Enclosures

**RECEIVED**

**OCT 10 2006**

**DIV. OF OIL, GAS & MINING**



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

October 10, 2006

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Monument Butte Federal K-35-8-16 Well, Surface Location 1885' FNL,  
671' FEL, SE NE, Sec. 35, T. 8 South, R. 16 East, Bottom Location  
2629' FNL, 0000' FEL, SE NE, Sec. 35, T. 8 South, R. 16 East,  
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33253.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company  
Well Name & Number Monument Butte Federal K-35-8-16  
API Number: 43-013-33253  
Lease: UTU-16535

Surface Location: SE NE Sec. 35 T. 8 South R. 16 East  
Bottom Location: SE NE Sec. 35 T. 8 South R. 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

JUL 25 2006

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-16535
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Monument Butte
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Mon. Butte Federal K-35-8-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 431013.33253
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 1885' FNL 671' FEL At proposed prod. zone 2629' FNL 0' FEL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 13.8 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 35, T8S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 0' f/ise, 2640' f/unit	16. No. of Acres in lease 920.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1405'	19. Proposed Depth 6501'	20. BLM/BIA Bond No. on file UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5484' GL	22. Approximate date work will start* 4th Quarter 2006	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mandie Crozier</i>	Name (Printed/Typed) Mandie Crozier	Date 7/18/06
Title Regulatory Specialist		

Approved by (Signature) <i>Jerry Kenczka</i>	Name (Printed/Typed) JERRY KENCZKA	Date 10-23-2006
Title Assistant Field Manager Lands & Mineral Resources		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

NOV 07 2006 NOTICE OF APPROVAL

Accepted by the  
Utah Division of  
Oil, Gas and Mining

DIV. OF OIL, GAS & MINING

FOR RECORD ONLY

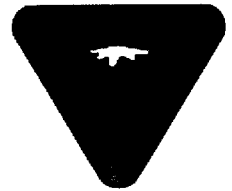
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UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company  
Well No: Mon. Butte Federal K-35-8-16  
API No: 43-013-33253

Location: SENE, Sec 35, T8S, R16E  
Lease No: UTU-16535  
Agreement: Monument Butte

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Charles Sharp	Office: 435-781-4486	
Natural Resource Specialist:	Darren Williams	Office: 435-781-4447	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- |   |  |
|---|--|
| Location Construction<br>(Notify Charles Sharp)         | - Forty-Eight (48) hours prior to construction of location and access roads.   |
| Location Completion<br>(Notify Charles Sharp)           | - Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify Petroleum Engineer)              | - Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify Jamie Sparger)     | - Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify Jamie Sparger) | - Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify Petroleum Engineer)  | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

1. This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.*, signed November 21, 2005. If the well has not been spudded by November 21, 2010, a new environmental document will have to be prepared prior to the approval of the APD.
2. All applicable local, state, and/or federal laws, regulations, and/or statutes must be complied with.
3. Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel will not be allowed.
4. No drilling or surface disturbing activities are allowed 600' or less from live water.
5. The proposed action is in Mountain Plover nesting habitat. According to the 43 CFR 3101.1-2, surface disturbing activities and drilling may be prohibited during the year to minimize adverse impacts to nesting raptors. During the period of **May 15<sup>th</sup> through June 15<sup>th</sup>**, no new drilling or surface disturbing activities will be allowed. If a request for an exception to this limitation is desired, the request must be made in writing to the Vernal Field Office Manager and approved prior to drilling or surface disturbing activities.
6. If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
7. The reserve pit will be lined with a 16 ml or greater liner prior to spudding.
8. No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
9. The liner is to be cut 5 feet below ground or at the level of the cuttings, whichever is deeper and the excess liner material is to be disposed of at an authorized disposal site.
10. When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
11. The well pad and access/pipeline require monitoring by a qualified Paleontologist prior to and during any surface disturbing activities.

12. Prevent fill and stock piles from entering drainages.

**CULTURAL AND PALEONTOLOGICAL RESOURCES STIPULATION**

13. Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.
14. The access road will be crowned and ditched. Flat-bladed roads are **NOT** allowed.
15. Notify the Authorized Officer 48 hours prior to surface disturbing activities.
16. All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
17. The boulders >3' found at the surface or above ground will be saved for final reclamation.
18. Interim Reclamation (see below):
- a. Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is converted to an injection well, the topsoil will be spread and re-contoured on the location and immediately seeded with the seed mix below.
  - b. Interim Reclamation Seed Mix for location:

Galleta grass	<i>Hilaria jamesil</i>	6 lbs/acre
Western wheatgrass	<i>Pascopyrum smithii</i>	<u>6 lbs/acre</u>
	Per Live Seed Total	12 lbs/acre
  - c. The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed it shall be re-contoured, then the area shall be seeded in the same manner as the topsoil.
  - d. There shall be no primary or secondary noxious weeds in the seed mixture.
  - e. Once the location is plugged and abandoned contact the Authorized Officer for final reclamation plans.
  - f. The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.
  - g. The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixture will be doubled and the area raked or chained to cover the seed.



### ***DOWNHOLE CONDITIONS OF APPROVAL***

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1. A complete angular deviation and directional survey report shall be submitted to the Vernal BLM field office within 30 days following the completion of the well.

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

7. The lessee/operator must report encounters of all non oil and gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

**Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.  
  
All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/4 1/4, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

- g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
- 15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- 16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- 17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- 18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### ***SPUDDING INFORMATION***

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: MON BUTTE FED K-35-8-16

Api No: 43-013-33253 Lease Type: FEDERAL

Section 35 Township 08S Range 16E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 11/10/06

Time 10:00 AM

How DRY

***Drilling will Commence:*** \_\_\_\_\_

Reported by DON BASTIAN

Telephone # (435) 823-6012

Date 11/13/06 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 8

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: KT. 3 BOX 3636  
RYTON, UT 84082

OPERATOR ACCT. NO. N2006

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QD	SC	TP	RS	COUNTY		
B	99999	15784	43-013-32980	ASHLEY FEDERAL 15-25-8-15	SWSE	25	99	15E	DUCHESNE	11/7/2006	11/16/06
WELL 1 COMMENTS: <u>GRRV</u>											
A	99999	15785	43-047-36284	FEDERAL 13-20-8-18	SWSW	20	88	18E	UINTAH	11/13/06	11/16/06
WELL 2 COMMENTS: <u>GRRV</u>											
A	99999	15786	43-047-36285	FEDERAL 14-20-8-18	SESW	20	88	18E	UINTAH	11/14/06	11/16/06
WELL 3 COMMENTS: <u>GRRV</u>											
A	99999	10835	43-013-33258	MON. BUTTE FEDERAL M-35-8-16	SENW	35	88	18E	DUCHESNE	11/09/06	11/16/06
WELL 4 COMMENTS: <u>GRRV</u>											
A	99999	10836	43-013-33263	MON. BUTTE FEDERAL K-35-8-16	SENE	35	88	18E	DUCHESNE	11/09/06	11/16/06
WELL 5 COMMENTS: <u>GRRV Unit corrected to Mon Butte GRRV D - not Mon Butte East</u>											
WELL 6 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for lease and (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENTS section to explain why each Action Code was selected.

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NOV 15 2006

DIV. OF OIL, GAS & MINING

Kim Kettle  
Signature

Kim Kettle

Production Clerk  
Title

November 15, 2006  
Date

11/15/2006 16:52 4356463031

INLAND

PAGE 02

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

5. Lease Serial No.

USA UTU-16535

6. If Indian, Allottee or Tribe Name.

N/A

7. If Unit or CA/Agreement, Name and/or

MON BUTTE UNIT

8. Well Name and No.

MON. BUTTE FEDERAL K-35-8-16

9. API Well No.

4301333253

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1885 FNL 671 FEL  
SENE Section 35 T8S R16E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11/10/06 MIRU NDSI NS # 1.Spud well @ 10:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 323.50 KB On 11/16/06 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Alvin Nielsen

Signature



Title

Drilling Foreman

Date

11/18/2006

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

NOV 21 2006

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 323.5

LAST CASING 8 5/8" SET AT 323.50'  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 320' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR NewField Production Company  
 WELL Monument Butte Federal K-35-8-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # NDSI NS #1

LOG OF CASING STRING:								
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Shoe Joint 44.58'						
		WHI - 92 csg head			8rd	A	0.95	
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	311.65	
		<b>GUIDE</b> shoe			8rd	A	0.9	
CASING INVENTORY BAL.			FEET	JTS	TOTAL LENGTH OF STRING			313.5
TOTAL LENGTH OF STRING			313.5	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS			1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT			0		CASING SET DEPTH			<b>323.5</b>
TOTAL			311.65	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)			311.65	7				
TIMING			1ST STAGE					
BEGIN RUN CSG.			Spud	11/10/2006	10:00AM	GOOD CIRC THRU JOB <u>Yes</u>		
CSG. IN HOLE				11/10/2006	3:00PM	Bbls CMT CIRC TO SURFACE <u>5</u>		
BEGIN CIRC				11/16/2006	8:56AM	RECIPROCATED PIPE FOR _____ THRU _____ FT STROKE		
BEGIN PUMP CMT				11/16/2006	9:07AM	<u>N/A</u>		
BEGIN DSPL. CMT				11/16/2006	9:19AM	BUMPED PLUG TO _____ 600 _____ PSI		
PLUG DOWN				11/16/2006	9:26AM			
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield						
CENTRALIZER & SCRATCHER PLACEMENT				SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third for 3								

COMPANY REPRESENTATIVE Don Bastian DATE 11/16/2006



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

USA UTU-16535

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

MON BUTTE UNIT

8. Well Name and No.

MON. BUTTE FEDERAL K-35-8-16

9. API Well No.

4301333253

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1885 FNL 671 FEL

SENE Section 35 T8S R16E

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12/15/06 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 278'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,501'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 145 jt's of 5.5 J-55, 15.5# csgn. Set @ 6500.04' / KB. Cement with 325 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With 10 bbls cement returned to pit. Nipple down Bop's. Drop slips @75,000 #'s tension. Release rig 12:00 AM on 12/24/06.

RECEIVED

DEC 29 2006

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Alvin Nielsen

Signature



Title

Drilling Foreman

Date

12/24/2006

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6500.04

Flt cllr @ 6454.59

LAST CASING 8 5/8" SET / 323'                     

OPERATOR Newfield Production Company

DATUM 12' KB

WELL MB Fed K-35-8-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE                     

CONTRACTOR & RIG # NDSI #2

TD DRILLER 6501' Loggers 6519

HOLE SIZE 7 7/8"

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 4350.71' (5.90')					
145	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6442.59
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.2
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6502.04
TOTAL LENGTH OF STRING		6502.04	146	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		223.86	5	CASING SET DEPTH			6500.04
TOTAL		6710.65	151	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6710.65	151				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		12/23/2006	11:00 AM	GOOD CIRC THRU JOB YES			
CSG. IN HOLE		12/23/2006	2:00 PM	Bbls CMT CIRC TO SURFACE 10			
BEGIN CIRC		12/23/2006	2:00 PM	RECIPROCATED PIPE FOR THRUSTROKE NA			
BEGIN PUMP CMT		12/23/2006	5:50 PM	DID BACK PRES. VALVE HOLD ? YES			
BEGIN DSPL. CMT		12/23/2006	6:53 PM	BUMPED PLUG TO 2073 PSI			
PLUG DOWN		12/23/2006	7:20 PM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	325	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Alvin Nielsen

DATE 12/23/2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1885 FNL 671 FEL  
SENE Section 35 T8S R16E

5. Lease Serial No.  
USA UTU-16535

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
MON BUTTE UNIT

8. Well Name and No.  
MON. BUTTE FEDERAL K-35-8-16

9. API Well No.  
4301333253

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

01/23/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

JAN 24 2007

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-16535
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: MON BUTTE UNIT
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: MON. BUTTE FEDERAL K-35-8-16
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1885 FNL 671 FEL		9. API NUMBER: 4301333253
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 35, T8S, R16E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 02/06/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Status report for time period 01/08/07 - 02/01/07

Subject well had completion procedures initiated in the Green River formation on 01-08-07 without the use of a service rig over the well. A cement bond log was run and a total of five Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5578'-5589'); Stage #2 (5404'-5413'); Stage #3 (5187'-5195'); Stage #4 (5064'-5083'); Stage #5 (4533'-4542'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 01-19-2007. Bridge plugs were drilled out and well was cleaned to 6454'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 02-01-2007.

NAME (PLEASE PRINT) <u>Jentri Park</u>	TITLE <u>Production Clerk</u>
SIGNATURE _____	DATE <u>02/06/2007</u>

(This space for State use only)

**RECEIVED**

**FEB 07 2007**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 1885' FNL & 671' FEL (SE/NE) Sec. 35, T8S, R16E

At top prod. Interval reported below

At total depth

2598' fnl 12' fel

14. API NO.

43-013-33253

DATE ISSUED

10/10/06

15. DATE SPUNDED

11/09/06

16. DATE T.D. REACHED

12/22/06

17. DATE COMPL. (Ready to prod.)

1/22/07

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5484' GL

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

20. TOTAL DEPTH, MD & TVD

6501' / 6407'

21. PLUG BACK T.D., MD & TVD

6454' / 6360'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4533'-5589'

25. WAS DIRECTIONAL SURVEY MADE

No Yes

27. WAS WELL CORED

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	324'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6500'	7-7/8"	325 sx Premlite II and 450 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5666'	TA @ 5543'

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(A3) 5578'-5589'	.46"	4/44	5578'-5589'	Frac w/ 90,492# 20/40 sand in 691 bbls fluid
(B2) 5404'-5413'	.43"	4/36	5404'-5413'	Frac w/ 25,452# 20/40 sand in 347 bbls fluid
(D3) 5187'-5195'	.43"	4/32	5187'-5195'	Frac w/ 25,258# 20/40 sand in 336 bbls fluid
(D1) 5064'-5083'	.43"	4/76	5064'-5083'	Frac w/ 100,346# 20/40 sand in 717 bbls fluid
(GB4) 4533'-4542'	.43"	4/36	4533'-4542'	Frac w/ 22,231# 20/40 sand in 265 bbls fluid

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

33.\* PRODUCTION

DATE FIRST PRODUCTION 1/22/07	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-3/4" x 20' RHAC SM Plunger Pump					WELL STATUS (Producing or shut-in) PRODUCING
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL.S. 127	GAS--MCF. 38	WATER--BBL. 35
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

RECEIVED

35. LIST OF ATTACHMENTS

FEB 13 2007

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jentri Park

TITLE

Production CHIEF OF OIL, GAS & MIN. DATE 2/9/2007

JP

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Monument Butte K-35-8-16	Garden Gulch Mkr	4032'	
				Garden Gulch 1	4238'	
				Garden Gulch 2	4359'	
				Point 3 Mkr	4629'	
				X Mkr	4882'	
				Y-Mkr	4915'	
				Douglas Creek Mkr	5037'	
				BiCarbonate Mkr	5289'	
				B Limestone Mkr	5443'	
				Castle Peak	5914'	
				Basal Carbonate	6328'	
				Wasatch	6455'	
				Total Depth (LOGGERS	5923'	



**Scientific  
Drilling**

## Directional Survey Certification

7327 West Barton Road

Casper, WY 82604

(307)-472-6621 Fax (307) 472-5439

RE: <u>Newfield Exploration Co.</u>	<b>Operator</b>
<u>Monument Butte K-35-8-16</u>	<b>Well Name &amp; No.</b>
<u>Duchesne County, UT</u>	<b>County &amp; State</b>
<u>41DEF06121125</u>	<b>SDI Job No.</b>

I, Julie Cruse, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 358 feet to a measured depth of 6515 feet is true and correct as determined from all available records.

Julie Cruse  
Signature

Rockies Region Engineer  
Title

Scientific Drilling International  
Company

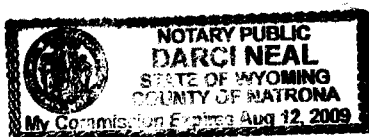
State of : Wyoming }  
County of : Natrona } ss

On this 27th day of December, 2006, before me personally appeared Julie Cruse to me known as the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

Seal

Darci Neal  
Notary Public

Aug 12 2009  
My Commission Expires



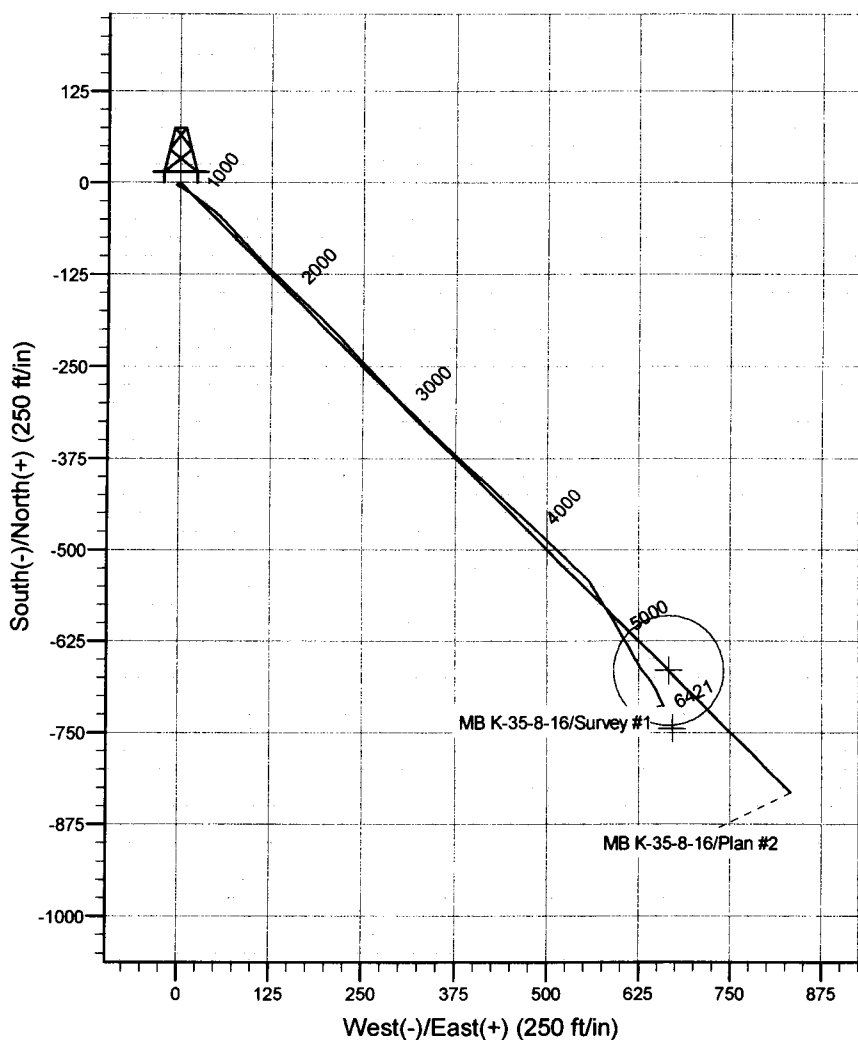
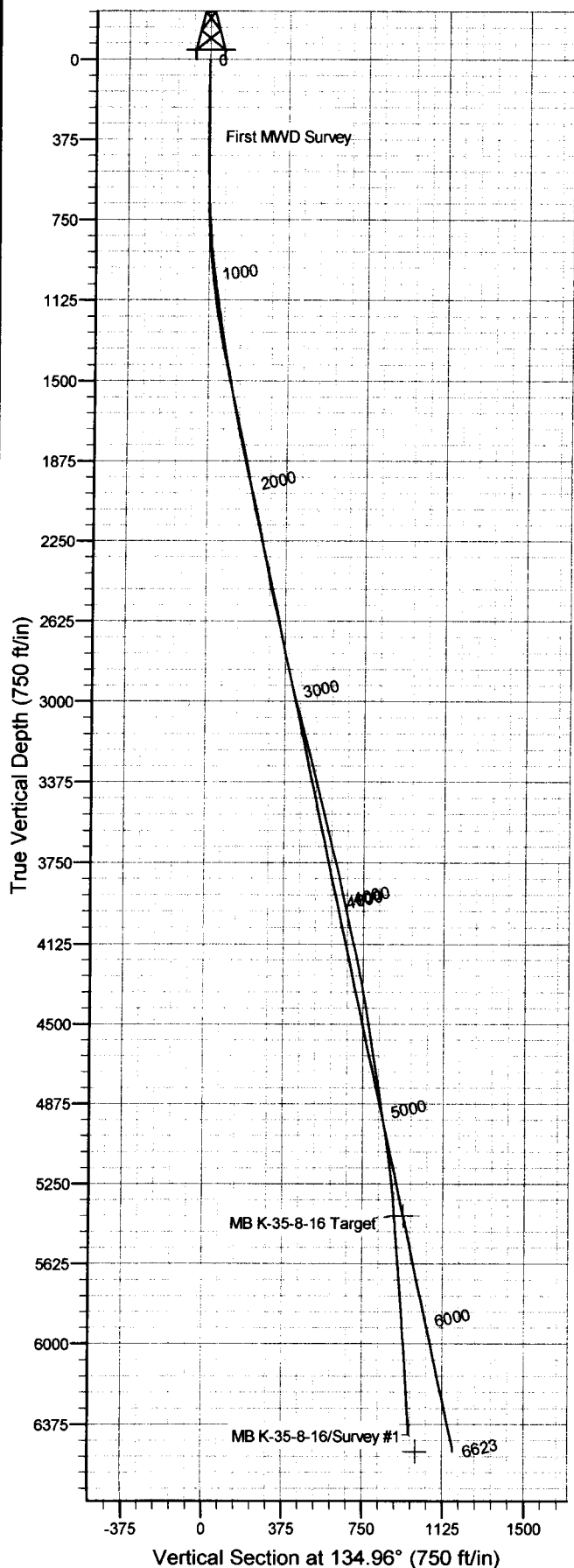
RECEIVED  
FEB 13 2007  
DIV. OF OIL, GAS & MINING



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Monument Butte K-35-8-16  
Well: MB K-35-8-16  
Wellbore: OH  
Design: OH

**Newfield Exploration Co.**



WELL DETAILS: MB K-35-8-16

+N/-S	+E/-W	Ground Level: Northing	GL 5484' & RKB 12' @ 5496.00ft (NDSI 2) Easting	Latitude	Longitude	Spot
0.00	0.00	7199743.15	2037865.93	40° 4' 35.240 N 110° 4' 46.570 W		

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well MB K-35-8-16, True North  
Vertical (TVD) Reference: GL 5484' & RKB 12' @ 5496.00ft (NDSI 2)  
Section (VS) Reference: Slot - (0.00N, 0.00E)  
Measured Depth Reference: GL 5484' & RKB 12' @ 5496.00ft (NDSI 2)  
Calculation Method: Minimum Curvature  
Local North: True  
Location: Sec. 35 T8S R16E

PROJECT DETAILS: Duchesne County, UT

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

Survey: Survey #1 (MB K-35-8-16/OH)

Created By: Julie Cruse Date: 2006-12-27



# **Newfield Exploration Co.**

**Duchesne County, UT**

**Monument Butte K-35-8-16**

**MB K-35-8-16**

**OH**

**Survey: Survey #1**

## **Standard Survey Report**

**27 December, 2006**

# Scientific Drilling

## Survey Report

<b>Company:</b>	Newfield Exploration Co.	<b>Local Co-ordinate Reference:</b>	Well MB K-35-8-16
<b>Project:</b>	Duchesne County, UT	<b>TVD Reference:</b>	GL 5484' & RKB 12' @ 5496.00ft (NDSI 2)
<b>Site:</b>	Monument Butte K-35-8-16	<b>MD Reference:</b>	GL 5484' & RKB 12' @ 5496.00ft (NDSI 2)
<b>Well:</b>	MB K-35-8-16	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	EDM 2003.14.1.0 Single User Db

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site	Monument Butte K-35-8-16, Sec. 35 T8S R16E				
Site Position:		Northing:	7,199,743.15 ft	Latitude:	40° 4' 35.240 N
From:	Lat/Long	Easting:	2,037,865.93 ft	Longitude:	110° 4' 46.570 W
Position Uncertainty:	0.00 ft	Slot Radius:	0.000 in	Grid Convergence:	0.91 °

Well	MB K-35-8-16, SHL: 1885' FNL, 671' FEL				
Well Position	+N/-S	0.00 ft	Northing:	7,199,743.15 ft	Latitude: 40° 4' 35.240 N
	+E/-W	0.00 ft	Easting:	2,037,865.93 ft	Longitude: 110° 4' 46.570 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level: 5,484.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	2006-12-11	11.89	65.94	52,750

<b>Design</b>	OH			
<b>Audit Notes:</b>				
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	134.96

<b>Survey Program</b>	<b>Date</b>	2006-12-27		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
358.00	6,515.00	Survey #1 (OH)	MWD	MWD - Standard

<b>Survey</b>									
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
358.00	1.29	239.57	357.97	-2.04	-3.47	-1.02	0.36	0.36	0.00
<b>First MWD Survey</b>									
385.00	1.24	239.41	384.96	-2.34	-3.99	-1.17	0.19	-0.19	-0.59
420.00	0.91	232.00	419.96	-2.71	-4.53	-1.29	1.02	-0.94	-21.17
450.00	0.55	175.86	449.95	-3.00	-4.71	-1.22	2.52	-1.20	-187.13
481.00	0.81	106.91	480.95	-3.21	-4.49	-0.91	2.58	0.84	-222.42
512.00	1.27	116.31	511.95	-3.43	-3.97	-0.39	1.58	1.48	30.32
542.00	1.30	111.68	541.94	-3.70	-3.36	0.24	0.36	0.10	-15.43
573.00	1.44	112.63	572.93	-3.98	-2.67	0.92	0.46	0.45	3.06
604.00	1.47	115.56	603.92	-4.30	-1.95	1.66	0.26	0.10	9.45
635.00	1.88	117.76	634.91	-4.71	-1.15	2.52	1.34	1.32	7.10
665.00	2.09	114.64	664.89	-5.17	-0.21	3.50	0.79	0.70	-10.40

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Monument Butte K-35-8-16  
**Well:** MB K-35-8-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well MB K-35-8-16  
**TVD Reference:** GL 5484' & RKB 12' @ 5496.00ft (NDSI 2)  
**MD Reference:** GL 5484' & RKB 12' @ 5496.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.14.1.0 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
696.00	2.77	120.19	695.86	-5.78	0.95	4.75	2.32	2.19	17.90
727.00	2.82	123.47	726.83	-6.58	2.23	6.23	0.54	0.16	10.58
758.00	3.46	124.93	757.78	-7.53	3.64	7.89	2.08	2.06	4.71
788.00	3.78	124.06	787.72	-8.60	5.20	9.76	1.08	1.07	-2.90
819.00	4.09	126.07	818.65	-9.83	6.94	11.85	1.09	1.00	6.48
848.00	4.61	122.92	847.56	-11.07	8.75	14.01	1.97	1.79	-10.86
879.00	5.16	123.08	878.45	-12.51	10.97	16.60	1.77	1.77	0.52
910.00	6.02	126.32	909.30	-14.23	13.44	19.57	2.95	2.77	10.45
942.00	6.71	126.41	941.10	-16.33	16.30	23.08	2.16	2.16	0.28
973.00	7.12	125.28	971.88	-18.52	19.33	26.76	1.39	1.32	-3.65
1,005.00	7.00	127.04	1,003.64	-20.84	22.50	30.65	0.77	-0.37	5.50
1,036.00	7.48	121.38	1,034.39	-23.03	25.73	34.48	2.77	1.55	-18.26
1,068.00	7.97	124.87	1,066.10	-25.38	29.33	38.69	2.12	1.53	10.91
1,099.00	8.01	130.36	1,096.80	-28.01	32.74	42.96	2.46	0.13	17.71
1,131.00	8.82	126.35	1,128.45	-30.91	36.41	47.61	3.12	2.53	-12.53
1,162.00	8.60	126.01	1,159.10	-33.68	40.20	52.24	0.73	-0.71	-1.10
1,194.00	8.89	129.38	1,190.72	-36.65	44.05	57.07	1.84	0.91	10.53
1,225.00	8.87	130.03	1,221.35	-39.71	47.73	61.83	0.33	-0.06	2.10
1,255.00	8.84	131.74	1,251.00	-42.73	51.22	66.44	0.88	-0.10	5.70
1,286.00	8.83	132.68	1,281.63	-45.93	54.75	71.20	0.47	-0.03	3.03
1,318.00	9.37	135.48	1,313.22	-49.45	58.38	76.25	2.18	1.69	8.75
1,349.00	9.48	138.57	1,343.81	-53.17	61.84	81.33	1.67	0.35	9.97
1,380.00	9.64	136.71	1,374.38	-56.97	65.31	86.47	1.12	0.52	-6.00
1,410.00	9.79	136.25	1,403.95	-60.64	68.79	91.53	0.56	0.50	-1.53
1,442.00	9.43	136.72	1,435.50	-64.51	72.47	96.87	1.15	-1.12	1.47
1,472.00	9.85	136.42	1,465.07	-68.16	75.93	101.89	1.41	1.40	-1.00
1,504.00	10.06	136.87	1,496.59	-72.19	79.72	107.42	0.70	0.66	1.41
1,535.00	10.14	137.07	1,527.11	-76.16	83.43	112.85	0.28	0.26	0.65
1,566.00	10.17	136.44	1,557.63	-80.14	87.18	118.32	0.37	0.10	-2.03
1,598.00	10.30	136.54	1,589.12	-84.26	91.09	124.00	0.41	0.41	0.31
1,627.00	10.77	136.74	1,617.63	-88.12	94.73	129.30	1.63	1.62	0.69
1,659.00	11.08	136.17	1,649.05	-92.52	98.91	135.36	1.03	0.97	-1.78
1,691.00	11.22	136.85	1,680.44	-97.00	103.17	141.55	0.60	0.44	2.12
1,722.00	11.66	136.75	1,710.83	-101.49	107.38	147.69	1.42	1.42	-0.32
1,754.00	11.53	135.25	1,742.17	-106.11	111.85	154.12	1.03	-0.41	-4.69
1,784.00	11.82	134.56	1,771.55	-110.40	116.15	160.19	1.07	0.97	-2.30
1,814.00	12.49	136.04	1,800.88	-114.89	120.59	166.51	2.46	2.23	4.93
1,846.00	12.46	134.91	1,832.13	-119.82	125.43	173.42	0.77	-0.09	-3.53
1,876.00	12.44	133.39	1,861.42	-124.32	130.08	179.89	1.09	-0.07	-5.07
1,907.00	12.42	133.10	1,891.69	-128.89	134.94	186.56	0.21	-0.06	-0.94
2,002.00	12.23	133.72	1,984.50	-142.83	149.67	206.83	0.24	-0.20	0.65
2,095.00	11.92	133.92	2,075.45	-156.30	163.70	226.28	0.34	-0.33	0.22
2,188.00	12.24	133.02	2,166.39	-169.69	177.83	245.74	0.40	0.34	-0.97
2,283.00	12.10	134.47	2,259.25	-183.53	192.30	265.76	0.35	-0.15	1.53
2,376.00	11.85	135.56	2,350.23	-197.18	205.94	285.05	0.36	-0.27	1.17
2,469.00	11.84	136.54	2,441.25	-210.92	219.19	304.14	0.22	-0.01	1.05
2,562.00	13.04	137.53	2,532.06	-225.59	232.84	324.16	1.31	1.29	1.06
2,657.00	12.61	136.62	2,624.69	-241.03	247.19	345.23	0.50	-0.45	-0.96
2,751.00	12.22	136.91	2,716.49	-255.75	261.04	365.43	0.42	-0.41	0.31
2,846.00	12.53	136.44	2,809.29	-270.56	275.01	385.78	0.34	0.33	-0.49
2,939.00	12.79	135.87	2,900.03	-285.26	289.13	406.16	0.31	0.28	-0.61
3,033.00	14.92	135.37	2,991.29	-301.34	304.88	428.66	2.27	2.27	-0.53
3,126.00	15.08	135.21	3,081.12	-318.45	321.81	452.73	0.18	0.17	-0.17
3,217.00	15.01	134.30	3,169.00	-335.08	338.58	476.35	0.27	-0.08	-1.00

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Monument Butte K-35-8-16  
**Well:** MB K-35-8-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well MB K-35-8-16  
**TVD Reference:** GL 5484' & RKB 12' @ 5496.00ft (NDSI 2)  
**MD Reference:** GL 5484' & RKB 12' @ 5496.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.14.1.0 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,311.00	14.27	133.98	3,259.95	-351.63	355.63	500.11	0.79	-0.79	-0.34
3,405.00	14.48	133.85	3,351.00	-367.81	372.44	523.44	0.23	0.22	-0.14
3,499.00	14.21	132.36	3,442.07	-383.73	389.44	546.72	0.49	-0.29	-1.59
3,592.00	13.70	131.60	3,532.33	-398.73	406.11	569.11	0.58	-0.55	-0.82
3,686.00	14.08	133.26	3,623.58	-413.96	422.76	591.66	0.59	0.40	1.77
3,779.00	13.68	133.72	3,713.86	-429.31	438.95	613.96	0.45	-0.43	0.49
3,873.00	13.14	133.38	3,805.30	-444.33	454.75	635.75	0.58	-0.57	-0.36
3,968.00	11.94	133.11	3,898.03	-458.46	469.77	656.37	1.26	-1.26	-0.28
4,062.00	12.46	132.67	3,989.91	-471.98	484.33	676.22	0.56	0.55	-0.47
4,157.00	12.56	133.56	4,082.65	-486.05	499.35	696.79	0.23	0.11	0.94
4,251.00	12.34	133.18	4,174.44	-499.96	514.08	717.04	0.25	-0.23	-0.40
4,343.00	11.44	132.98	4,264.47	-512.91	527.92	735.99	0.98	-0.98	-0.22
4,438.00	10.07	133.65	4,357.80	-525.07	540.83	753.71	1.45	-1.44	0.71
4,540.00	9.03	136.21	4,458.38	-537.00	552.82	770.63	1.10	-1.02	2.51
4,633.00	8.77	148.21	4,550.27	-548.30	561.60	784.83	2.01	-0.28	12.90
4,724.00	9.62	149.67	4,640.10	-560.76	569.10	798.93	0.97	0.93	1.60
4,816.00	9.51	148.40	4,730.82	-573.86	576.96	813.76	0.26	-0.12	-1.38
4,911.00	8.38	149.27	4,824.66	-586.50	584.61	828.10	1.20	-1.19	0.92
5,005.00	8.76	148.27	4,917.61	-598.48	591.88	841.70	0.43	0.40	-1.06
5,099.00	8.35	149.75	5,010.57	-610.46	599.08	855.27	0.50	-0.44	1.57
5,192.00	7.88	149.80	5,102.64	-621.80	605.69	867.96	0.51	-0.51	0.05
5,285.00	7.23	151.48	5,194.83	-632.46	611.69	879.73	0.74	-0.70	1.81
5,380.00	6.48	152.55	5,289.15	-642.47	617.02	890.57	0.80	-0.79	1.13
5,472.00	4.94	150.94	5,380.69	-650.53	621.33	899.33	1.68	-1.67	-1.75
5,491.38	4.84	150.47	5,400.00	-651.98	622.14	900.92	0.57	-0.54	-2.41
<b>MB K-35-8-16 Target</b>									
5,564.00	4.45	148.53	5,472.38	-657.04	625.12	906.61	0.57	-0.53	-2.68
5,658.00	4.18	144.38	5,566.12	-662.94	629.02	913.53	0.44	-0.29	-4.41
5,751.00	4.39	138.83	5,658.86	-668.37	633.34	920.43	0.50	0.23	-5.97
5,846.00	4.26	142.61	5,753.59	-673.91	637.87	927.55	0.33	-0.14	3.98
5,939.00	4.19	144.71	5,846.33	-679.43	641.93	934.32	0.18	-0.08	2.26
6,033.00	4.15	148.10	5,940.08	-685.12	645.71	941.02	0.27	-0.04	3.61
6,123.00	4.03	154.31	6,029.86	-690.73	648.81	947.18	0.51	-0.13	6.90
6,218.00	3.77	154.58	6,124.64	-696.56	651.59	953.27	0.27	-0.27	0.28
6,310.00	3.61	155.18	6,216.44	-701.92	654.11	958.83	0.18	-0.17	0.65
6,403.00	3.48	154.40	6,309.27	-707.13	656.56	964.24	0.15	-0.14	-0.84
6,465.00	3.46	153.98	6,371.15	-710.51	658.19	967.79	0.05	-0.03	-0.68
6,515.00	3.46	153.98	6,421.06	-713.22	659.51	970.64	0.00	0.00	0.00

Projection to TD

# Scientific Drilling

## Survey Report

**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Monument Butte K-35-8-16  
**Well:** MB K-35-8-16  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well MB K-35-8-16  
**TVD Reference:** GL 5484' & RKB 12' @ 5496.00ft (NDSI 2)  
**MD Reference:** GL 5484' & RKB 12' @ 5496.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.14.1.0 Single User Db

### Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
MB K-35-8-16 Target	0.00	0.00	5,400.00	-665.00	666.00	7,199,088.81	2,038,542.40	40° 4' 28.668 N	110° 4' 38.002 W
- survey misses by 45.67ft at 5494.09ft MD (5402.70 TVD, -652.17 N, 622.25 E)									
- Circle (radius 75.00)									
BHL	0.00	0.00	6,501.00	-744.00	671.00	7,199,009.90	2,038,548.66	40° 4' 27.887 N	110° 4' 37.938 W
- survey misses by 86.43ft at 6515.00ft MD (6421.06 TVD, -713.22 N, 659.51 E)									
- Point									

### Survey Annotations

Measured	Vertical	Local Coordinates		Comment
Depth	Depth	+N/-S	+E/-W	
(ft)	(ft)	(ft)	(ft)	
358.00	357.97	-2.04	-3.47	First MWD Survey
6,515.00	6,421.06	-713.22	659.51	Projection to TD

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_